



Digitized by the Internet Archive
in 2008 with funding from
Microsoft Corporation

5 (1913-18)

The Ohio State University Bulletin

VOLUME XXIII

NOVEMBER, 1918

NUMBER 3

Publications of the
Teaching Staff



PUBLISHED BY THE UNIVERSITY AT COLUMBUS

Entered as second-class matter, November 17, 1905, at the Postoffice
at Columbus, Ohio, under act of Congress, July 16, 1894

Prefatory Note

The bulletin, "Publications of the Teaching Staff," was authorized by the Publication Board in 1907, as a biennial bulletin. Four issues have appeared at the specified intervals. This, the fifth issue, however, covers the period from July 1, 1913, to January 1, 1918, except in the instances of those members of the Staff who have become associated with the University since the former date. A complete list of the more important contributions of these persons from the dates indicated is given.

The department of the University with which each person is associated is given, as an index to the field in which the greater part of his contributions is found.

In the body of the bulletin, the names of the persons are arranged in alphabetical order. The departmental index is added in order that the members from a given department may be found more readily.

**EXECUTIVE COMMITTEE
OF THE GRADUATE SCHOOL**

Publications of the Teaching Staff

From July, 1913, to January, 1918 (except as noted)

Anderson, Lewis F., (Department of History and Philosophy of Education)

(Contributions since 1900)

The Anglo-Saxon Scop. *University of Toronto Studies. Philological Series No. 1.* Toronto, 1903.

A Study of the Prototypes of the Modern Non-professional School among the Greeks and the Romans. *Pedagogical Seminary*, March, 1907, pp. 1-38.

A Study of Medieval Schools and Schoolwork. *Pedagogical Seminary*, June, 1907, pp. 223-282.

An Outline Sketch of the History of Common School Education. Henry Holt & Co., New York, 1909.

Some Facts regarding Vocational Training among the Ancient Greeks and Romans. *School Review*, March, 1912, pp. 191-201.

Industrial Education during the Middle Ages. *Education*, I, February, 1912, pp. 354-359; II, March, 1912, pp. 423-429.

The Manual Labor School Movement. *Educational Review*, November, 1913, pp. 369-386.

Review: A History of Education by Thomas Davidson. *Journal of Pedagogy*, October, 1900, pp. 154-155.

Reviews: History of Education, P. J. McCormick; The Evolution of the Educational Ideal, M. E. Emerson; Syllabi in Education, G. L. Jackson. *Educational Administration*, October, 1915.

Andrews, Clarence E., (Department of English)

Shakespeare's Macbeth; edited with introduction, notes, and glossary. Philadelphia, Altemus & Co.

Sources of W. B. Yeats. *Modern Language Notes*, XXVIII, No. 3.

Authorship of The Lancashire Witches. *Modern Language Notes*, June, 1913.

Richard Brome: A Study of his Life and Works. New York, Henry Holt, 1913.

Review: "Thomas Love Peacock," by A. M. Freeman. *Yale Review*, January, 1913.

Review: "Bulletin of the Keats-Shelley Memorial," *Amherst Graduates' Quarterly*, January, 1914.

Arps, George F., (Department of Psychology)

A Note on a Case of Double Inversion. *Annals of Ophthalmology*, XXIII, 1914, p. 482.

Two Interesting Cases of Illusion of Perception. *Journal of Abnormal Psychology*, X, 1915, p. 209.

Attitude as a Determinant in Spelling Efficiency in Immediate and Delayed Recall. *Journal of Educational Psychology*, XI, 1915, p. 409.

A Marked Case of Double Inversion. *American Journal of Psychology*, XXVII, pp. 203-216. (Read before the Ohio College Association.)

Attitude as a Determinant in Spelling Efficiency in Immediate and Delayed Recall. *Journal of Educational Psychology*, VI, pp. 409-418.

Two Interesting Cases of Illusion of Perception. *Journal of Abnormal Psychology*, X, pp. 209-213.

An Experimental Study of Economical Learning. *American Journal of Psychology*, XXVII, pp. 507-529.

On Color Induction with Reference to Color Recognition. *Journal of Experimental Psychology*, I, pp. 426-454.

A Preliminary Report on "Work with Knowledge versus Work without Knowledge of Results." *Psychological Review*, XXIV, pp. 449-456. (Read before the American Psychological Association.)

Visual Discrimination of Rectangular Areas Illuminated by Varying Degrees of Achromatic Light. *Journal of Experimental Psychology*, II, pp. 41-63. (Read before the American Psychological Association.)

A Neglected Factor in the Question of National Security. *Scientific Monthly*, LXXXIX, pp. 498-502.

Psychological Sources of Error in the Examination of Visual Acuity. *Optical Journal and Review*, XL, pp. 379-383. (Read before the Annual Convention of the American Optical Association.)

Important Factors in the Question of Responsible Behavior. *Scientific Monthly*, LXXXI, pp. 239-253. (Read at the Ohio State University as one of the lecture series.)

Atavistic Character of the Behavior of U-Boat Crews. *National Service*, II, pp. 256-263.

National Supremacy, Industrial Education and Cooperation. (Read before the Central Ohio Schoolmasters' Club.)

On the Assumption of the Hering Color Theory. Read before the American Psychological Association.

Avey, Albert E., (Department of Philosophy)

An Analysis of the Process of Conceptual Cognition. Doctor's dissertation presented at Yale University in 1915. 71 pp. Reuter and Kieneman, Cincinnati, 1916.

Barnett, Samuel J., (Department of Physics)

On Electromagnetic Induction. *Physical Review*, II, p. 232, 1913.

Some Experiments on the Magnetic Field of Two Electromagnets. *Philosophical Magazine*, XXVI, p. 987, 1913, and *London Electrician*, LXXIV, p. 21, 1914.

Thermions and the Origin of Solar and Terrestrial Magnetism. *Nature*, LXXXIII, pp. 109 and 415, 1914.

Eine Entgegnung auf die Arbeit des Herrn Fehrle; "Über unipolare Induktion." *Annalen der Physik*, XLV, p. 1253, 1914.

The Theory of Magnetization by Rotation. *Science*, October, 1915.

Magnetization by Rotation. *Physical Review*, VI, p. 239, 1915. (Includes the two preceding papers.)

On Ewell's Method of Measuring Single Potential Differences. *Physical Review*, VII, p. 321, 1916.

The Magnetization of Iron, Nickel, and Cobalt by Rotation and the Nature of the Magnetic Molecule. *Proceedings of the National Academy of Sciences*, III, p. 178, 1917.

The Magnetization of Iron, Nickel, and Cobalt by Rotation and the Nature of the Magnetic Molecule. *Physical Review*, X, p. 7, 1917. (Includes the preceding paper.)

Barrows, Sarah T., (Department of German)

Anastasius Grün, Salonstück. In *German Classics*, VII. German Publishing Co., New York, 1913.

Gerhardt Hauptmann. Und Pippa Tanzt. B. W. Hübsch, New York, 1914.

An Experiment in Intonation Curves. (Paper delivered before the Modern Language Association at Madison, Wis., December 28, 1917.)

Barrows, William M. (Department of Zoology)

Color in Cocker Spaniels. *Journal of Heredity*, VI, No. 9, pp. 287-297, by W. M. Barrows and J. McL. Phillips.

The Scientific Breeding of Dogs: Color Breeding in Dogs as Worked Out in Cocker Spaniels. *Field and Fancy*, XXXVII, Nos. 4, 5, 6, by W. M. Barrows and J. McL. Phillips.

Bear, Firman E., (Department of Agricultural Chemistry and Soils)

Experiments with Fertilizers. *Bulletin 155*, West Virginia Experiment Station, October, 1915.

Effect of Quick Lime on Organic Matter in Soils. *Journal of American Society of Agronomy*, II, 1916.

A Correlation between Bacterial Activity and Lime Requirements of Soils. *Soil Science*, IV, No. 6, December, 1917.

Co-author with Mr. R. M. Salter of the following publications:

Methods of Soil Analysis. *Bulletin 159*, West Virginia Experiment Station, August, 1916.

Residual Effect of Fertilizers. *Bulletin 160*, West Virginia Experiment Station, August, 1916.

Analysis of One Hundred West Virginia Soils. *Bulletin 161*, West Virginia Experiment Station, August, 1916.

Blake, Frederic C., (Department of Physics)

On the Vibrations of a Lecher System Using a Lecher Oscillator. With Charles Sheard. *Physical Review*, III, pp. 217-231, 1914.

Bolling, George Melville, (Department of Greek Language and Literature)

(Contributions since 1897)

Latin—Astro. *American Journal of Philology*, XVIII, 70-3.
The Participle in Hesiod. Johns Hopkins doctor dissertation. Washington, 1897.

The Epic and Attic Use of the Circumstantial Participle. *Johns Hopkins University Circulars*, XVII, 33-4.

The Scientific Study of Language. *Catholic University Bulletin*, V, 299 ff.

Note on de Saussure's de l'emploi du genitif absolu en Sanscrit. *American Journal of Philology*, XX, 112.

The Participle in Apollonius Rhodius, in *Studies in Honor of Basil L. Gildersleeve*, pp. 449-70. Baltimore, 1902.

The Etymology of ΣΘΕΝΟΣ. *American Journal of Philology*, XXI, 315-6.

An Epic Fragment from Oxyrhynchus. *American Journal of Philology*, XXII, 63-9.

KAITOI with the Participle. *American Journal of Philology*, XXIII, 319-21.

Beginning of the Greek Day. *American Journal of Philology*, XXIII, 428-35.

- The Relation of the Vedic Forms of the Dual. *Journal American Oriental Society*, XXIII, 318-24.
- The Çantikalpa of the Atharva-Veda. *Transactions of the American Philological Association*, XXXV (1904), 77-127.
- Articles on Sanskrit and Vedic in the *Encyclopaedia Americana*.
- Articles on Alexandrian Library and Avatar in the *Catholic Encyclopaedia*.
- Articles on (Vedic) Amulets, Diseases and Disease Gods, and Divination in Hasting's *Dictionary of Religion and Ethics*.
- The Home of the Indo-Europeans. *Catholic University Bulletin*, XIII, 211-31.
- A Visit to the Roman Forum. *Catholic University Bulletin*, XV, 211-32.
- The Etymology of ΟΔΤΣΣΕΤΣ. *American Journal of Philology*, XXVII, 65-7.
- Contributions to the study of Homeric metre:
- I. Metrical Lengthening and the Bucolic Diaeresis. *American Journal of Philology*, XXVIII, 401-10.
 - II. Length by Position. *American Journal of Philology*, XXXIII, 401-25, and XXXIV, 152-71.
- Homeric Armor and Mr. Lang. *Catholic University Bulletin*, XVI (1910), 669-708.
- Mr. Lang's Reply. *Catholic University Bulletin*, XVII (1911), 762-70.
- (With these cf.: Andrew Lang's, Dr. Bolling and Homeric Armor, *ibid.*, XVII (1911), 629-36, and Dr. Bolling's Reply, *ibid.*, XVIII (1912), 535-7.)
- The Parisistas of the Atharvaveda, edited by George Melville Bolling and Julius von Negelein. I. Text and Critical Apparatus. Leipzig, Otto Harrassowitz, 1909-10. 8 vo. Pp. XXIV+650.
- Contributions to the History of Religion in India. *Catholic University Bulletin*, XVI (1910), pp. 113-26.
- The Greek View of the Relation between Morality and Art. *Catholic University Bulletin*, April, 1913.
- The Çantikalpa of the Atharvaveda. *Journal of American Oriental Society*, XXXIII (1913), 265-78.
- The Archetype of Our Iliad and the Papyri. *American Journal of Philology*, XXXV (1914), 125-48.
- The Latest Expansions of the Iliad. *American Journal of Philology*, XXXVII (1916), 1-30.
- The Latest Expansions of the Odyssey. *American Journal of Philology*, XXXVII (1916), 452-8.

The Teaching of the "Tenses" in Greek. *Classical Journal*, XIII (1917), 104-10. (Read at the thirteenth annual meeting of the Classical Association of the Middle West and South.)

Various book reviews in the *American Historical Review*, *American Journal of Theology*, *Catholic University Bulletin*, *Classical Weekly*, *Classical Philology*, and *American Journal of Philology*.

Boudreau, Frank G., (Department of Public Health)

(Contributions since 1912)

Acute Poliomyelitis and Cerebrospinal Meningitis: Problems for the Rural Health Officer. 17 pages, *Monthly Bulletin of Ohio State Board of Health*, December, 1912.

What the Teacher Should Know About Communicable Diseases. 11 pages. *Monthly Bulletin of Ohio State Board of Health*, July, 1913.

Acute Poliomyelitis, with Special Reference to the Disease in Ohio, by Frank G. Boudreau, C. K. Brain and E. F. McCampbell. 92 pages, *Monthly Bulletin of Ohio State Board of Health*, March, 1914.

The Duration of Quarantine in Transmissible Diseases. 12 pages, *Monthly Bulletin of Ohio State Board of Health*, May, 1914.

The New Plan of Collecting Vital Statistics in Ohio: How the Physician Can Aid in the Health Campaign. 2 pages, *Ohio State Medical Journal*, Columbus, May, 1915.

An Outbreak of Typhoid Fever, Due to Contamination of the Water Supply through a Private Connection, by W. H. Dittoe and Frank G. Boudreau. 11 pages, *Monthly Bulletin of Ohio State Board of Health*, July, 1914.

Market Milk: An Important Factor in the Spread of Communicable Diseases. 18 pages, *Monthly Bulletin of Ohio State Board of Health*, August, 1914.

The Differential Diagnosis of Epidemic Cerebrospinal Meningitis. 18 pages, *Monthly Bulletin of Ohio State Board of Health*, November, 1914.

The Problem of Infant Mortality in Cities. 15 pages, by Frank G. Boudreau and Sara Kerr. May, 1915. *The Ohio Public Health Journal*, Columbus, V, No. 5.

Bowen, Benjamin L., (Department of Romance Languages)

Review: *Nouveau Cours Français*, by André C. Fontaine. *Modern Language Notes*, November, 1915.

Bownocker, John A., (Department of Geology)

Columbus Folio, No. 197. U. S. Geological Survey, 1915. (With G. D. Hubbard and C. R. Stauffer.)

Natural Gas in Ohio. *Journal of the Cleveland Engineering Society*, March, 1916, pp. 313-332.

The Coal Fields of Ohio. *U. S. Geological Survey, Professional Paper 100-B*, 1917.

Petroleum in Ohio and Indiana. *Bulletin of the Geological Society of America*, September, 1917, pp. 667-676.

Boyd, James E., (Department of Mechanics)

The Elasticity and Strength of Stoneware and Porcelain. Presented at the annual meeting of the American Society of Mechanical Engineers, December, 1915. Published in the *Transactions* of 1915, pp. 795-813.

The Meaning of Integration in Calculus. Presented at the meeting of the Society for the Promotion of Engineering Education, June, 1916. Published in the *Proceedings*, XXIV, pp. 319-327.

Sphere Cut by Any Two Planes: Volume of Slice. *Engineering News*, June 29, 1916, p. 1228.

Strength of Materials. Revised and enlarged. 380 pages. The McGraw-Hill Co., New York, 1917.

Mechanics of Fluids. 44 pages. Published by the author, 1917.

Bridges, James W., (Department of Psychology)

Experimental Study of Decision Types and Their Mental Correlates. *Psychological Monograph*, No. 72, 1914.

The Point Scale: A New Method of Measuring Mental Capacity. With R. M. Yerkes. *Boston Medical and Surgical Journal*, CLXXI, No. 23, pp. 857-866. December, 1914.

A Point Scale for Measuring Mental Ability. With R. M. Yerkes and Rose S. Hardwick. 213 pages. Warwick & York, 1915.

Brooks, Clyde (Department of Physiology)

(Contributions since 1906)

On Conduction and Contraction of Skeletal Muscle in Water-rigor. *American Journal of Physiology*, 1906, XVII, p. 218.

The Mechanism of Experimental Glycosuria. With H. McGuigan. *American Journal of Physiology*, 1907, XVIII, p. 256.

Experimental Glycosuria. *Washington University Bulletin*, V, p. 146.

The Effect of Lesions of the Dorsal Nerve Roots on the Reflex Excitability of the Spinal Cord. *Science, N. S.*, 1908, XXVIII, p. 571.

- Methods for Securing Wholly Normal Manometric Blood Pressure Tracings from the Quiescent Animal. *Heart*, 1910, II, p. 5.
- The Action of Alcohol on the Intact Unanesthetized Animal. *Journal of the American Medical Association*, 1910, LV, p. 372.
- On the Action of Magnesium Sulphate. With S. A. Matthews. *Journal of Pharmacology and Therapeutics*, 1910, II, p. 87.
- The Effect of Lesions of the Dorsal Nerve Roots on the Reflex Excitability of the Spinal Cord. *American Journal of Physiology*, 1910, XXVII, p. 212.
- A Note on the Absence of Adreoline in the Malignant Renal Hypernephromas. *Journal of Experimental Medicine*, XIV, p. 550.
- Blood Pressure in the Normal Unanesthetized Animal Under Various Conditions. *American Journal of Physiology*, XXIX, p. 22. *Proceedings of the American Physiological Society*, Baltimore, December, 1911.
- Persistent Patency of the Ductus Arteriosus or Duct of Botal in the Dog. *Archives of Internal Medicine*, 1912, IX, p. 44.
- A Clinical and Experimental Study of the Value of Camphor as a Heart Stimulant. With Heard. *American Journal of the Medical Sciences*, 1913, CXLV, p. 238.
- The Action of Sodium Citrate on the Heart. *Journal of Pharmacology and Therapeutics*, 1913.
- The Blood Pressure During Vomiting. With A. B. Luckhardt. *American Journal of Physiology*, 1915, XXXVI, p. 104.
- The Chief Physical Mechanism Concerned in Clinical Methods of Measuring Blood Pressure. With A. B. Luckhardt. *American Journal of Physiology*, 1915, XL, p. 49.
- An Application of Boyle's Law and Avogadro's Law to the Oscillations of the Manometer in Clinical Measurements of Blood Pressure. With A. M. Bleile. *American Journal of Physiology*, 1917, XLII, p. 603. *Proceedings of the American Physiological Society*, New York, December, 1916.
- A Study of Repeated Doses of Phenolsulphonephthalein. With T. S. Arbuthnot and R. R. Snowden. *Proceedings of the American Society for Pharmacology and Experimental Therapeutics*, New York City, December, 1916. *Journal of Pharmacology and Therapeutics*, 1917, IX, p. 349.

The Action of Epinephrin on Vasomotors and Heart Beats Studied Separately by the Artificial Control of Blood Pressure by means of the Compensator. With C. McPeek and R. J. Seymour. *Proceedings of the American Society for Pharmacology and Experimental Therapeutics*, Minneapolis, December, 1917. *Journal of Pharmacology and Therapeutics*, 1918, X, p. 168.

Brown, Samuel W., (Department of School Administration)

Some Experiments in Elementary School Administration. pp. 458-463, *National Education Association, Addresses and Proceedings*, Salt Lake City, 1913.

Bruce, Charles A., (Department of Romance Languages)

Anatole Le Braz: *Contes Bretons*. Pp. XIII+221. Henry Holt & Co., 1915.

Burgess, Ernest W., (Department of Economics and Sociology)
The Belleville Social Survey, 1915. Pp. 70. Department of Sociology, The University of Kansas. Burgess, E. W., and Sippy, J. J.

The Social Survey Exhibit. In the *Kansas Municipalities*, September, 1915.

Review: Warne. The Immigrant Invasion.

Review: Luck. Social Welfare in New Zealand. *American Journal of Sociology*, July, 1913.

Review: Quillin. The Color Line in Ohio.

Review: Munro. The Government of American Cities. *American Journal of Sociology*, March, 1914.

Burrett, Claude A., (College of Homoeopathic Medicine)
(Contributions since 1906)

The Clinical Laboratory Course. *University Homoeopathic Observer*, April, 1906, IV, pp. 68-69.

The Detection of the Bacillus Tuberculosis. *University Homoeopathic Observer*, July, 1906, IV, pp. 209-214.

General Analysis of Copaiba and Euonyms. *University Homoeopathic Observer*, October, 1906, IV, pp. 268-273.

Practical Work in Pathogenic Laboratory. *University Homoeopathic Observer*, January, 1906, IV, pp. 36-41.

Report of the Department of Drug Pathogenecy of the University of Michigan Homoeopathic College. Further Proving of Copiba Officinalis. *Medical Century*, April, 1907, XV, pp. 100-115.

Value of Laboratory Methods in Diagnosis to the General Practitioner. *Medical Century*, October, 1906, XIV, pp. 295-300.

- Drug Action: Its Relation to the Opsonic Theory. *Medical Century*, May, 1908, XVI, pp. 139-141.
- Opsonins. *Cleveland Medical and Surgical Reporter*, April, 1909, XVII, pp. 155-160.
- A Proving. *Crataegus Oxyacantha*. *University Homoeopathic Observer*, January, 1909, VII, pp. 10-12.
- Vaccines in Practice. *New England Medical Gazette*, January, 1909, XLIV, pp. 7-9.
- From Nosodes to Opsonins. *University Homoeopathic Observer*, July, 1909, VII, pp. 150-154.
- Modern Scientific Provings: Methods and Laboratory Findings. *Medical Century*, June, 1910, XVII, pp. 161-172.
- Bacteriology and the Indicated Remedy. *New England Medical Gazette*, August, 1910, XLV, pp. 337-340.
- Perineal Prostatectomy with Report of Cases. *Medical Century*, May, 1911, XVIII, pp. 129-131.
- A Comparative Study of Vaccines with Cases. *University Homoeopathic Observer*, October, 1911, XI, pp. 100-107.
- Treatment of Varicose Veins. *University Homoeopathic Observer*, April, 1912, XII, pp. 48-50.
- Report of a Case of Tertiary Syphilis. *University Homoeopathic Observer*, October, 1913, XIII, pp. 125-129.
- Observations on College Curriculum. *Journal American Institute Homoeopathy*, April, 1914, pp. 851-857.
- Injuries to the Elbow. *Medical Century*, February, 1915.
- Postoperative Treatment in Pus Cases. *Journal of American Institute Homoeopathy*, April, 1915, pp. 1128-1134.
- Homoeopathic Therapeutics and Surgery. President's Address, Surgical and Gynaecological Society of the American Institute of Homoeopathy. *Journal of American Institute of Homoeopathy*, 1915, VIII, pp. 134-138.
- The Surgical Appendix. *The Pollycrest*, 1915, I, No. 1.
- Homoeopathic Surgery Applied Clinically. *Journal of American Institute of Homoeopathy*, VIII, No. 8, p. 867.
- Homoeopathy of the Future. *Journal of American Institute of Homoeopathy*, IX, No. 5, p. 516.
- Carcinoma of the Breast. *Journal of American Institute of Homoeopathy*, IX, No. 9, p. 1073.
- The Homoeopathic Surgeon and the Gall Bladder. *Journal of American Institute of Homoeopathy*, X, No. 5, p. 566.
- Inguinal Hernia. *New England Medical Gazette*, LI, No. 4, p. 179.

Caldwell, Francis C., (Department of Electrical Engineering)
(Contributions since 1911)

Electrolytic Disposition of Sewage. *Proceedings*, Ohio Electric Light Association, 1912, p. 151; also as *Bulletin No. 9*, College of Engineering, Ohio State University.

New Application of Electricity. *Proceedings*, Ohio Electric Light Association, 1913, p. 88; also *Electrical Review*, July, 1913, p. 165.

On the Danger to Life Involved in Directing a Stream of Water from a Fire Hose upon a High-Tension Line. *Sibley Journal*, 1913; also *Electric Journal*, August, 1914.

The Quartz Tube Mercury Vapor Lamp. *Journal*, Ohio Society of Mechanical, Electrical and Steam Engineering, 1913, p. 31.

Electrical Engineering Problems. February, 1914. McGraw-Hill Book Co., New York. 105 pp.

Report, Annual Convention of the American Institute of Electrical Engineers. *Engineering News*, July, 1914, p. 46.

Some Common Mistakes in the Use of Light. Ohio Electric Light Association *Monthly*, August and September, 1914, pp. 217 and 236.

The Power Plant and the Ohio Flood. *Sibley Journal*, March, 1915, p. 175.

Review: Electrical Engineering, by Christie. *Engineering News*, February 12, 1914.

Chandler, Albert R., (Department of Philosophy)
(Contributions since 1908)

Pragmatism as a Theory of Knowledge. Dartmouth College, 1908. 7 pp.

Tragic Effect in Sophocles. *Monist*, January, 1913, pp. 59-89.

Coker, Francis W., (Department of Political Science)

Readings in Political Philosophy. The Macmillan Co., 1914. 573 pp.

Review: H. F. Russell Smith, Harrington and His Oceana. *American Historical Review*, January, 1915.

Cottrell, Edwin G., (Department of Political Science)

Report on the Form of the Annual Budget. Prepared for the Boston (Mass.) Budget Commission, 1915. 35 pp. and charts. Published by the City of Boston, October, 1915.

Efficiency Survey of the Departments of Streets, Forestry and Water of the City of Newton, Mass., 1916. 164 pp.

With illustrations and charts. Published by the City of Newton, October, 1916.

Non-Contributory Old Age Pensions and Health Insurance.
A report prepared for the special committee on Social Insurance of the Boston Chamber of Commerce, 1917. 15 pp. Published by the Chamber.

Recent Changes in Town Government. Annual meeting of National Municipal League, 1916. Published in *National Municipal Review*, January, 1917.

The Municipal Service of the University. Read at the annual meeting of the Association of Urban Universities, 1917. Published in the *Proceedings*.

Contributor to *National Municipal Review* and *American Political Science Review*.

Davies, Arthur Ernest, (Department of Philosophy)

A Text-book of Logic. Pp. XI+602. R. G. Adams & Co.

DeLong, Dwight M., (Department of Zoology and Entomology)

The Leafhoppers or Jassoidea of Tennessee. *Bulletin No. 17*, 113 pp. 2 pl., Tennessee State Board of Entomology, Knoxville, Tennessee, June, 1916.

The Cicadellidae (Jassoidea—Family Homoptera) of Wisconsin, with Description of New Species. *Annals of the Entomological Society of America*, X, March, 1907. Columbus, Ohio. Pp. 79-95, 2 pl. (With Prof. J. G. Sanders.)

Derby, Samuel C., (Department of Latin)

A New Tool in Education. *Ohio History Teachers' Journal*, March, 1916.

History with Pick and Spade. *Ohio History Teachers' Journal*, November, 1917.

Drury, Horace B., (Department of Economics and Sociology)

Organized Labor and Scientific Management. *Industrial Engineering*, March, April, May, 1914, XIV, pp. 99-101, 145-149, 191-197.

Organized Labor's Opposition to Scientific Management. *Greater Efficiency*, March, April, 1914, III, No. 6, pp. 61-71; No. 7, pp. 28-43.

Scientific Management: A History and Criticism. *Columbia University Studies in History, Economics and Public Law*, LXV, No. 2, 222 pp. New York, 1915.

Earhart, Robert F., (Department of Physics)

Discharge in a Magnetic Field. *Physical Review*, III, No. 2, p. 103, February, 1914.

Effect of a Longitudinal Magnetic Field on Spark Potentials. *Physical Review*, III, No. 2, p. 135, August, 1914.
Arc in a Magnetic Field. *Physical Review*, V, No. 4, p. 341, April, 1915.

Elwood, Phillip H., Jr., (Department of Horticulture)

Lawns: Their Making and Maintenance. Massachusetts Agricultural College *Bulletin*, IX, No. 2. October, 1913. Reprinted June, 1915.

Country School Grounds. With F. A. Waugh. Massachusetts Agricultural College and U. S. Department of Agriculture. *Bulletin*, 1914.

Street and Roadside Planting. Massachusetts Agricultural College, *Bulletin*, IX, No. 9.

How a College Cooperates in Town and Village Improvements. *American City Magazine*, Town and County Edition, I, No. 1, September, 1914.

Cottage Gardens in Massachusetts. *Transactions Massachusetts Horticultural Society*, Part 1, 1915.

Directions for Planting Trees, Shrubs and Flowers about the Home. Massachusetts Agricultural College *Bulletin*, V, No. 8, April, 1915.

A Model Massachusetts Farmhouse. Plans and Elevations. Published by Massachusetts Agricultural College, 1915.

Evans, John E., (Department of Psychology)

(Contributions since 1912)

The Physical and Mental Development of the Child. *The Educator-Journal*, XIII, 183, 1912.

A Reaction Machine. *Journal of Educational Psychology*, IV, 97, 1913.

Some Suggestions for Efficiency. *The Educator-Journal*, XIII, 383, 1913.

Evans, M. Blakemore, (Department of German)

Ein Charakterbild von Deutschland. pp. 15+237. With Elizabeth Merhaut. D. C. Heath & Co., New York, 1913.

Sudermann. Introduction to Life and Works. *German Classics of the Nineteenth and Twentieth Centuries*, XVII, pp. 154-167.

Schiller's Attitude toward German and Roman Type as Indicated in his Letters. *Modern Language Notes*, January, 1915.

Beginning German. 220 pp. With Heinrich Keidel. R. G. Adams & Co.

Reminiscences of Max Walter. *Monatshefte für deutsche Sprache und Pedagogik*, October, 1917, pp. 230, 231.

Evans, William L., (Department of Chemistry)

A Student Apparatus to Illustrate Diffusion of Gases. With Charles R. Parkinson. *School Science and Mathematics*, XIV, pp. 40, 41, 1914.

Laboratory Exercises in General Chemistry: Transition Point, Suspended Transformation, Law of Successive Reactions. *School Science and Mathematics*, XIV, pp. 402 and 403, 1914.

Review: Notes on Elementary Inorganic Chemistry, by F. H. Jeffery, Cambridge University Press. G. P. Putnam's Sons, New York. *Journal of the American Chemical Society*, January, 1915, XXXVII, p. 235.

Flowers, Alan E., (Department of Electrical Engineering)

Characteristics of Crystal Rectification. *Physical Review, Second Series*, III, January, 1914, p. 25.

Viscosity Measurement and a New Viscosimeter. *Proceedings of the American Society for Testing Materials*, XIV, Part 2, p. 565, 1914.

A Cylinder Friction and Lubrication Testing Apparatus. *Proceedings of the American Society for Testing Materials*, XV, Part 2, 1915.

Forman, Jonathan, (Department of Pathology)

Tumors in Dogs, I. Carcinomae of the Thyroid Gland. With Carlos I. Reed. *Ohio Journal of Science*, XVII, No. 6.

The Identification of the Cells in Myelomas by means of the Indophenol Blue Synthesis. With James H. Warren. *Journal of Cancer Research*, II, No. 1.

Lymphoblastomas of the Gastrointestinal Tract, II. Lymphosarcomas of the Intestines. *Proctol and Gastro-Enterologist*, 1917, XI, p. 6.

The Coexistence of Tuberculosis and Cancer in the Same Organ. Report of Two Specimens. With Hazel Cameron. *Interstate Medical Journal*, XXIV, No. 11.

The So-called "Mixed Tumors" of the Salivary Glands, with a Possible Explanation of the Morphological Behavior of the Tumor Cells. With James H. Warren. *Annals of Surgery*, January, 1918.

Melanoblastomas of the Eye. With C. Claron Hugger. *American Journal of Ophthalmology*, February, 1918.

A Contribution to the Nature of the Mononuclear Cells seen in the Exudate of Lobar Pneumonia accompanying Typhoid Fever. With C. Claron Hugger. *American Journal of the Medical Sciences*, CLV, No. 3, p. 317.

Tumors in Dogs, II. A Fibroblastoma of the Alveolar Border of the Jaw Containing Giant Cells (A Giant Cell

Epulis). With Charles I. Reed. *Ohio Journal of Science*, XVIII, No. 1, November, 1917.

Some Phases of the Cancer Problem. *Ohio Public Health Journal*, March, 1916.

Precancerous Conditions of the Involuting Breast and the Importance of their Recognition. With John W. Means. *Ohio State Medical Journal*, June, 1914.

Adenomas of the Mammary Gland. With John W. Means. *Ohio State Medical Journal*, March, 1917.

A Clinicopathologic Study of Early Malignant Conditions of the Face and Mouth. With John W. Means. *Journal of American Medical Association*, LXVIII, pp. 180-182.

Precancerous Conditions of the Face and Mouth. With John W. Means. *Dental Summary*, XXXV, No. 12.

Epulis. With John W. Means. *Dental Summary*, XXXV, No. 6.

A Text Book on Surgical Pathology. With John W. Means. Stoneman Press, Columbus, Ohio.

A Case of Intussusception Due to a Fibroma of the Ileum. With John W. Means. *Journal of the American Medical Association*, LXV, pp. 21-23.

Foulk, Charles W., (Department of Chemistry)

A Modified Burette, Calibrating Pipette, and Certain Points in the Use of Such Instruments. *Journal of Engineering and Applied Chemistry*, VII, p. 689.

Review: A Course in Quantitative Chemical Analysis, Gravimetric and Volumetric, by Nicholas Knight. The A. S. Brown Co., New York and Chicago. *Journal of American Chemical Society*, XXXVII, p. 2607.

Review: Representative Procedures in Quantitative Chemical Analysis, by F. A. Gooch. John Wiley & Sons, New York. *Journal of American Chemical Society*, XXXVIII, p. 940.

Review: A Laboratory Guide to the Study of Qualitative Analysis, by E. H. S. Bailey and Hamilton P. Cady, Revised by Paul V. Faragher. P. Blakiston's Son & Co., Philadelphia. *Journal of American Chemical Society*, XXIX, p. 329.

Review: A Laboratory and Class Room Guide to Qualitative Chemical Analysis, by George F. White. *Journal of American Chemical Society*, XXXIX, p. 330.

French, Thomas E., (Department of Engineering Drawing)

The Educational Side of Engineering Drawing. *Proceedings, Society for the Promotion of Engineering Education*, XXI, pp. 99-109. Also in *American Machinist*, XXXIX, July 24, 1913, p. 167.

Judging the Kitchen. *School Science and Mathematics*, October, 1914.

Agricultural Drawing and the Design of Farm Structures. McGraw-Hill Book Co., New York. 130 pp., 182 illustrations. With F. W. Ives.

Various contributions to Ohio State University periodicals.

Goudge, Mabel E., (Department of Psychology)

A Simplified Method of Conducting McDougall's Spot-pattern Test. *The Journal of Educational Psychology*, February, 1915, pp. 73-84.

Griggs, Robert F., (Department of Botany)

Observations on the Geographical Composition of the Sugar Grove Flora. *Bulletin Torrey Botanical Club*, XL, pp. 487-499. 12 s, 1913.

Observations on the Behavior of Some Species on the Edges of Their Ranges. *Ibid.*, XLI, pp. 25-49, f. 1-6, 20F, 1914.

A Botanical Survey of the Sugar Grove Region. *Ohio Biological Survey*, Bulletin 3, pp. 243-340, April, 1914.

The Kelps as a Source of Potash. *Agricultural Student*, May, 1914.

Observations on the Edge of the Forest in the Kodiak Region of Alaska. *Bulletin Torrey Botanical Club*, XLI, pp. 381-385. 28 July, 1914.

The Effect of the Eruption of Katmai on Land Vegetation. *Bulletin American Geographical Society*, XLVII, pp. 193-203, March, 1915.

Some New Species and Varieties of Bihai. *Bulletin Torrey Botanical Club*, XLII, pp. 315-330, pl. 19, June 16, 1915.

The Valley of Ten Thousand Smokes. *National Geographic Magazine*, XXXI, pp. 12-68, January, 1917, with 52 illustrations.

Addresses as follows:

Scientific Results of the Eruption of Katmai. Ohio State University Scientific Society, December, 1916.

The Beginning of Revegetation in the Katmai District. Botanical Society of America, December, 1915.

The Progress of Revegetation in the Katmai District of Alaska in 1916. Botanical Society of America, December, 1916.

Notes on the Animal Ecology of the Katmai District. Ecological Society of America, December, 1916.

The Volcanoes of the Katmai District. Association of American Geographers, December, 1916.

The Volcanoes of the Katmai District. Ohio State University Lecture Course, January 17, 1917.

The Volcanoes of the Katmai District. The University Club of Chicago, March 17, 1917.

The Botanical Problems Raised by the Eruption of Katmai. Read before the Botanical Seminar, Miami University, Oxford, Ohio, March 28, 1917.

The Volcanoes of the Katmai District. Invitation lecture, Ohio Academy of Science, April 6, 1917.

Katmai and the Ten Thousand Smokes. Invitation lecture before the Association of Mathematics and Sciences, Teachers of the Central States, November 26, 1917.

Grosvenor, Fred B., (Department of Clinical Diagnosis, Homoeopathic Medicine)

A Research into the Action of Foreign Sera on Red Blood Corpuscles. *Eclectic Medical Journal*, December, 1913.

Indican in the Urine. *Eclectic Medical Journal*, May, 1914.

Immunity Through Natural Means. *Eclectic Medical Journal*, February, 1912.

The Last Word in Gastric Analysis. *Eclectic Medical Journal*, April, 1913.

Types of Common Cardiac Lesions. *Medical Century*, April, 1915.

Progressive Pernicious Anemia. *Medical Century*, March, 1915.

Purposes of Dietary Regulations. *Medical Century*, May, 1915.

Spleens, Surgical and Otherwise. *Polycrest*, June, 1915.

Guigou, Stephen C., (Department of Romance Languages)

Address before the Language and Literature Club of Ohio State University on The Waldensians and Their Speech.

Hagerty, James E., (Department of Economics and Sociology)

Mercantile Credit. 382 pp. Henry Holt & Co., October, 1913.

Typical Systems for the Care of Dependent Children in the United States. *Proceedings of Ohio State Conference on Dependent Children*, November, 1914.

The Abolition of Poverty. *Ohio Bulletin of Charities and Correction*, January, 1915.

Hamilton, Theodore E., (Department of Romance Languages)

Adrienne Lecouvreur, by Scribe and Legouvé. Edited with an introduction and notes. Oxford University Press, New York, 1917.

Hammond, M. B., (Department of Economics and Sociology)

The Minimum Wage in Great Britain and Australia. *Annals*

American Academy of Political and Social Science, XLVIII, pp. 22-36, July, 1913. Reprinted in the New Zealand Journal of the Department of Labor, September, 1913.

The Industrial Commission of Ohio. *American Economic Review, III*, pp. 715-716, September, 1913.

Report as Secretary of the Ohio Coal Mining Commission to the Governor of Ohio. 70 pp. F. J. Heer Printing Co., Columbus, Ohio, 1913.

The Problem of Syndicalism. Discussion of paper by John Graham Brooks read at the annual meeting of the American Economic Association. *American Economic Review, IV*, No. 1, Supplement, pp. 131-136, March, 1914.

Wages and Hours of Labor of Women and Girls Employed in Mercantile Establishments in Ohio in 1913. *Report No. 1 of the Department of Investigations and Statistics of the Industrial Commission of Ohio*. 22 pp. F. J. Heer Printing Co., Columbus, Ohio, 1914.

Workmen's Compensation. 25 pp. Alexander Hamilton Institute, New York, 1914.

Views on Minimum Wage Legislation. Fourth Report of New York State Factory Investigation Commission. Preliminary Report printed for private circulation. pp. 411-414.

Wages Boards in Australia, I. Victoria. *Quarterly Journal of Economics, XXIX*, pp. 98-148, November, 1914. Reprinted in the New Zealand Journal of the Department of Labor, January, 1915.

The Work of the Department of Investigation and Statistics. *Bulletin Industrial Commission of Ohio, II*, No. 1, pp. 12-14, January, 1915.

The Australian Experience with Wages Boards. *The Survey, XXXIII*, pp. 495-504, February 6, 1915.

Wages Board in Australia, II. Boards outside Victoria, III. Organization and Procedure. *Quarterly Journal of Economics, XXIX*, pp. 326-261. Reprinted in New Zealand Journal of the Department of Labor, May, 1915.

Introduction to Industrial Accidents in Ohio. *Report No. 4, Department of Investigation and Statistics of the Industrial Commission of Ohio*, 1915, pp. 7-8.

Wages Boards in Australia, IV. Social and Economic Results of Wages Boards. *Quarterly Journal of Economics, XXLX*, pp. 563-630, May, 1915.

Introduction to Cost of Living of Working Women in Ohio. *Report No. 14, Department of Investigation and Statistics of the Industrial Commission of Ohio*, 1915, pp. 5-15.

The History and Organization of the Free Labor Exchanges of Ohio. *Report No. 15, Department of Investigation and Statistics of the Industrial Commission of Ohio*, pp. 5-32. Columbus, Ohio, 1915.

The Regulation of Wages in New Zealand. *The Quarterly Journal of Economics*, May, 1917, XXXI, pp. 404-446. Cambridge, Mass.

The Australian System of Compulsory Arbitration. *Proceedings, Academy of Political Science in the City of New York*, January, 1917, VII, pp. 19-30. New York City.

Lessons from English War Experience in the Employment of Labor. *Papers and Proceedings, Thirtieth Annual Meeting, American Economic Association*, Philadelphia, Pa., December, 1917. *American Economic Review*, VIII, No. 1. Supplement, pp. 147-157. Princeton. Also in *American Labor Legislation Review*, March, 1918, VIII, pp. 27-37. New York City.

Reviews:

Lusk's Social Welfare in New Zealand. *Annals American Academy of Political and Social Science*, XLVIII, July, 1913.

Ripley's Railroads—Rates and Regulations. *American Economic Review*, III, September, 1913.

Copeland's Cotton Manufacturing Industry of the United States. *American Historical Review*, XIX, October, 1913.

Barnett and McCabe's Meditation, Investigation and Arbitration; Mote's Industrial Arbitration. *The Quarterly Journal of Economics*, May, 1917, XXXV, pp. 536-543. Cambridge, Mass.

Rankin's Arbitration and Conciliation in Australasia: The Legal Wage in Victoria and New Zealand. *Political Science Quarterly*, December, 1917, XXXII, pp. 650-654. New York.

Harmon, J. Ernest, (Department of Geology)

The Pleistocene Geology of Northwestern Iowa. *Iowa Geological Survey*, XXVI, 1917, pp. 233-445.

Harris, Wilmer C., (Department of European History)

The Public Life of Zachariah Chandler, 1851-1875. Michigan Historical Commission, Lansing, 1917.

Suggestions for the Teaching of English History in the High School. *Bulletin No. 2, Ohio History Teachers' Journal*, 31 pp.

Harrop, Carl B., (Department of Ceramics)

Kiln Expansion and Bracing. *Twenty-eighth Annual Re-*

port, National Brick Manufacturers' Association. 25 pp. 1915.

The Inadequacy of Static Pressure Draft Gages. *Transactions, American Ceramic Society*, XVIII, pp. 223-241.

Methods of Calcining Clay for Grog. *Transactions, American Ceramic Society*, XVIII, pp. 165-179.

Heat Balance of a Continuous Tunnel Kiln. *Transactions, American Ceramic Society*, XIX, pp. 216-247.

Kiln Expansion and Bracing. *Twenty-ninth Annual Report, National Brick Manufacturers' Association*, pp. 59-80.

Hayhurst, Emery R., (Department of Public Health)

(Contributions since 1909)

Blood Smears, Their Preparation and Staining. *Journal American Microscopical Association*, LIII, No. 23, pp. 1909-1911, December 4, 1909.

Report of the Investigation of the Brass Manufacturing Industry, Chicago (Cook County), and the Zinc Smelters of LaSalle County, Ill. *Report of Commission on Occupational Diseases*, to Governor Charles S. Deneen, January, 1911. pp. 49-84.

The Effects of Turpentine upon the Health of Workmen. With H. H. Nicholl and T. E. Flinn, M. D., in same report as above, pp. 84-88.

Report on Two Cases of Osteitis Deformans (Paget's Disease) from Cook County Hospital, Chicago. With Adolph Hartung. *Transactions, Chicago Pathological Society*, VIII, 10 pp., June 1, 1911.

Occupational Brass Poisoning: Brassfounder's Ague. *American Journal of the Medical Sciences*, CXLV, No. 5, May, 1913, pp. 723-739. Also in *Transactions, Fifteenth International Congress of Hygiene and Demography*, Washington, 1912, III, part 2, pp. 764-778.

Critical Examination of 100 Painters for Evidences of Lead Poisoning. *American Journal of the Medical Sciences*, CXLVII, No. 6, June, 1914, pp. 788-804. Also abstracted in *U. S. Labor Bulletin*, Whole No. 120, 1913, pp. 50-60.

Consumption and Preventable Deaths in American Occupations. *Monthly Bulletins, Ohio State Board of Health*, III, July and August, 1913, pp. 799-806.

Methods and Results of Medical School Inspection in a Cosmopolitan District of 12,000 Inhabitants. *Monthly Bulletin, Ohio State Board of Health*, III, 1913, pp. 1001-1011.

A Comparison of the Results of Expert and Inexpert Physical Examination of Children. *Report, Ohio State School Survey*, January, 1914, pp. 194-201. With F. G. Boudreau.

- The Prevalence of Occupational Factors in Disease, and Suggestions for Their Elimination. *Journal, American Medical Association*, December 12, 1914, pp. 2093-2097.
- Standard Forms for Recording Medical Data. *Special Report, National Safety Council*, 1915, Philadelphia Congress, October 21, 1915.
- A Survey of Industrial Health-Hazards and Occupational Diseases in Ohio. *Ohio State Board of Health*, February, 1915. 438 pp., 101 illustrations.
- Principles and Scope of the Survey of Industrial Health-Hazards and Occupational Diseases in Ohio. Reprinted from *Ohio Public Health Journal*, Ohio State Board of Health, 1915. 143 pp., 35 illustrations.
- Brass, Copper and Zinc Poisoning, Carbon Bisulphide Poisoning, 21 pp.; Processes Involving Exposure to Brass, Copper, Zinc and Other Poisons, Processes Involving Exposure to Carbon Bisulphide and the Intoxications of the India-Rubber Industry. With George M. Kober. *Diseases of Occupations and Vocational Hygiene*, edited by George M. Kober and William C. Hanson.
- Factory Sanitation. Read at Second Pan-American Scientific Congress, Washington, D. C., December 29, 1915. 17 pp.
- Also some forty other papers, reports and reviews.
- Editorials and abstracts for the *Ohio Public Health Journal*.

Henderson, William E., (Department of Chemistry)

- A Course in General Chemistry. With Dr. William McPherson. Ginn & Co. 1913.
- First Course in Chemistry. With Dr. McPherson. Ginn & Co. 1915.
- Laboratory Manual. With Dr. McPherson. Ginn & Co. 1915.
- Laboratory Exercises. With Dr. McPherson. Ginn & Co. 1915.
- Review: Logarithmic Reduction Tables, by Charles J. Moore. *Journal, American Chemical Society*, XXXVI, p. 200.

Hine, James S., (Department of Botany)

- The Genus Myolepta. *Ohio Naturalist*, XVI, p. 205, 1913.
- A Note on Anax Longpipes Hagen. *Ohio Naturalist*, XVI, p. 219, 1913.
- Tabanus Longus, Fulvulus Ang Sagax. *Ohio Naturalist*, XVI, p. 225, 1913.
- Diptera of Middle America, Family Syrphidae. *Ohio Naturalist*, XIV, p. 333, 1914.

Descriptions of Robberflies of the Genus Erax. *Ohio Journal of Science*, XVII, p. 21, 1916.

Descriptions of North American Tabanidae. *Ohio Journal of Science*, XVII, p. 269, 1917.

Costa Rican Diptera, Collected by P. P. Calvert, Ph.D., 1909-1910, Tabanidae and Asilidae. *Transactions, American Entomological Society*, XLIII, p. 291, 1917.

Hinsdale, Albert E., (College of Homoeopathic Medicine)

Arteriosclerosis. *Medical Century*, July, 1914, 7 pp.

A Survey of Homoeopathy in the State of Ohio. *Transactions, Homoeopathic Medical Society of Ohio*, 1915, 7 pp. *Medical Century*, June, 1915.

Laboratory Studies upon the Action of Kali Bichromicum. *Journal, American Institute of Homoeopathy*, October, 1915. *Medical Century*, June, 1915.

Remarks upon Remedies in Acute Congestions. *Medical Century*, June, 1915, 22 pp.

A Proving of Bellis Perennis. *Transactions of Homoeopathic Medical Society of Ohio*, 1915, 7 pp. *Homoeopathic Recorder*, June, 1915.

Note upon the Action and Use of Digitalis. *Eclectic Medical Gleaner*, November, 1912, 5 pp.

Hockett, Homer C., (Department of American History)

Joint author, Ohio History and National History, in *Ohio Archaeological and Historical Quarterly*, XXV, pp. 135-156, April, 1916.

The Duty of History Teachers during the War. *Ohio History Teachers' Journal*, March, 1917, pp. 155-157.

Monograph entitled: Western Influences on Political Parties to 1825. *Ohio State University Studies*, XXII, No. 3, August, 1917.

Review of Edmonds, Ulysses S. Grant. *Mississippi Valley Historical Review*, II, pp. 577-578. March, 1916.

Review of Bradford, Union Portraits. *Mississippi Valley Historical Review*, II, pp. 577-578, March, 1916.

Other minor reviews in same journal.

Addresses:

The Influence of the West on the Rise and Fall of Political Parties. Mississippi Valley Historical Association, Chicago, April 27, 1917.

The Significance of the Settlement of the Ohio Valley. Ohio Valley Historical Association, Pittsburgh, November 30, 1917.

Hodgman, Arthur W., (Department of Latin Language)

Reviews as follows:

- J. Marouzeau's "La Phrase à Verbe Etre en Latin." *Classical Philology*, IX, p. 221, April, 1914.
- E. H. Sturtevant's "P. Terenti Afri Andria." *Classical Weekly*, VIII, p. 183, April, 1915.
- E. J. Thomas' "T. Macci Plauti Aulularia." *Classical Weekly*, IX, p. 63, December 4, 1915.
- Conrad's The Technique of Continuous Action in Roman Comedy. *Classical Weekly*, X, p. 146, March 12, 1917.
- Barbelenet's De l'aspect verbal en Latin ancien et particulièrement dans Térence. *Classical Philology*, XII, p. 220, April, 1917.
- Clark and Game's First Latin. *Classical Weekly*, XI, p. 118, February 4, 1918.

Hooper, Osman C., (Department of Journalism)Contributor of book news to the *Columbus Dispatch*.**Hottes, Alfred C., (Department of Horticulture)**

Contributor to Standard Cyclopedias of Horticulture articles upon Gladiolus, Moraea, Montia, Muscari, Nemastylis, Narthecium, Nothoscondum, Nepeta, Monarda, Nemophila, Monardella, Molucella, Lythrum, Lunaria, Nierembergia, and tables showing best annuals and perennials, pp. 1749-1750.

Joint author of Garden Guide, The Amateur Gardener's Handbook. A. T. DeLaMare Co., Inc. 3 editions, 1917-1918.

Gladiolus Studies, II. The Culture and Hybridization of the Garden Gladiolus. *Extension Bulletin 10*, Cornell University, December, 1916.

Gladiolus Studies III. Varieties of the Garden Gladiolus. *Extension Bulletin II*, Cornell University, December, 1916.

Garden Gladioli. Address before American Genetic Association, Berkeley, California. *Journal of Heredity*, VI, p. 499, 1915.

Gladiolus Ideals. American Gladiolus Society, program National Gladiolus Exhibition, p. 31-34, 1915.

Experiments with Gladiolus. *Modern Gladiolus Grower*, I, p. 42. 7 pp.

Flora near Banff and Lake Louise. *Florists' Exchange*, January 1, 1916.

Your War Garden. A. T. DeLaMare & Co., Inc., 1917.

Commercial Plant Propagation. A. T. DeLaMare & Co., Inc., 1918.

Flowers—An Appreciation. *Humanitarian Monthly*, III, p. 41, 1917.

Grow Roses. *Columbus Horticultural Society*, I, No. 1, 1917.

Roses for All Gardens. Ohio State Horticultural Society, *Bulletin*, 1917.

Humphrey, William A., (College of Homoeopathic Medicine)

Clinical Differential Diagnosis of Carcinoma of the Uterus. *Homoeopathic Recorder*, VIII, No. 1, p. 31, 1914. 4 pp.

Indications for Homoeopathic Remedies. *American Journal of Homoeopathy*, December, 1914. 4 pp.

Ectopic Gestation. *American Journal of Homoeopathy*, May, 1915. 8 pp.

Report of the Department of Gynaecology, College of Homoeopathic Medicine, Ohio State University. *Polycrest*, I, p. 42. 7 pp.

Post-operative Thrombosis. Read before the Columbus Homoeopathic Club.

Huntington, C. C., (Department of Economics and Sociology)

A History of Banking and Currency in Ohio before the Civil War. 312 pp. *Ohio Archaeological and Historical Quarterly*, 1915.

Review: Principles of Accounting. By Stephen Gilman. *American Economic Review*, VII, No. 1, pp. 133-137. March, 1917.

Address: Discussion of the Problem of Standardizing Courses in Accounting. First annual meeting, American Association of University Instructors in Accounting, December, 1916. Published in *Papers and Proceedings* of the meeting, I, No. 1, pp. 33-37, May, 1917.

Ingraham, Edgar S., (Department of Romance Languages)

Reviews of Rudolph Schevill, *A First Reader in Spanish*; F. B. Luquien, *Elementary Spanish-American Reader*; E. W. Supple, *Spanish Reader of South American History*; J. Warshaw, *Spanish-American Composition Book*; L. A. Wilkins, *Lecturas Faciles*; V. Fuentes and V. E. François, *A Trip to Latin America*. *Modern Language Notes*, XXXIII, 1918.

The Course in Spanish. Paper read before Ohio Modern Language Teachers' Association, December, 1916.

Lope de Vega's *Estrella* and Oaramonte's *Desta aqua no beberé*. Paper read before the Modern Language Association, December, 1917.

Ives, Frederick W., (Department of Agricultural Engineering)

Agricultural Drawing and Design of Farm Structures. With Thomas E. French. McGraw-Hill Co., 1915.

The Teaching of Drawing to Agricultural Students. A paper read before the American Society of Agricultural Engineers, December, 1917.

Technical contributor to the following journals: *Ohio Farmer*, *National Stockman and Farmer*, *Farm Engineering Magazine*, *Country Gentleman*, and *Scientific American*.

Judd, Horace., (Department of Mechanical Engineering)

The Taylor Stoker Operating under Average Conditions. *Journal, Ohio Society of Mechanical, Electrical and Steam Engineers*, VI, No. 2, p. 9, and VII, No. 1, following page 56.

Test of a Motor-Fire Engine. *Journal, American Society of Mechanical Engineers*, May, 1917, p. 400. Also in *Transactions, American Society of Mechanical Engineers*, 1917.

Kelley, Charles F., (Department of Art)

(Contributions since 1910)

Art in the American University. *The Nation*, LXXXI, No. 2352, July 28, 1910, p. 74.

A Textbook of Design. With William L. Mowll. Boston, 1912. Houghton Mifflin Company.

Design in Landscape Gardening. With Ralph R. Root. New York, 1914. The Century Co.

Ketcham, Victor Alvin, (Department of English)

Theory and Practice of Argumentation and Debate. 366 pp. Macmillan, New York, 1914.

Public Speaking Courses in State Universities. *Educational Review*, LIII, No. 2, February, 1817. pp. 151-160.

Essentials of Effective High School Debating. Address, Northeastern Ohio Teachers' Association, Cleveland, October, 1917.

Publishing and Distributing Briefs. Address before the National Association of Academic Teachers of Public Speaking, Chicago, November, 1915.

Common Defects of College Speaking Contests. Address, National Association of Academic Teachers of Public Speaking, Chicago, December, 1917.

Knight, William A., (Department of Industrial Arts and Shop-work)

Laps and Lapping. With A. A. Case. *Ohio State University Bulletin*, No. 14, College of Engineering, June, 1915.

Krecker, Frederic H., (Department of Zoology and Entomology)
(Contributions since 1909)

- The Eyes of Dactylopius. *Zeitschrift fur Wissenschaftliche Zoologie*, Bd. 93, Hft. 1, pp. 73-89; 1 plate, 1909.
- Some Phenomena of Regeneration in Limnodrilus and Related Forms. *Zeitschrift fur Wissenschaftliche Zoologie*, Bd. 94, Hft. 3, pp. 383-448. 2 figures in text and 3 plates. 1910.
- Filaria Cingula Parasitic in the Skin of Cryptobranchus Allegheniensis. *Journal of Parasitology*, II, pp. 74-79.
- Phenomena of Orientation Exhibited by Ephemeridae. *Biological Bulletin*, XXIX, pp. 381-388.
- Sunfish Nests of Beimiller's Cove. *Ohio Journal of Science*, XVI, pp. 125-135.

Landacre, Francis L., (Department of Anatomy)

- Embryonic Cerebral Ganglia and the Doctrine of Nerve Components. *Folio Neuro-Biologica*, VIII, No. 6, 1914, pp. 601-615.
- The Cerebral Ganglia and Early Nerves of Squalus Acantlius. *Journal of Comparative Neurology*, XXVII, No. 1, 1916, pp. 19-67.

Lazenby, William R., (Department of Forestry)

- Some Phases of French Horticulture. *Proceedings, Thirty-third Biennial Session, American Pomological Society*, November, 1913, pp. 91-96.
- The Forests and Forestry of Germany. *Popular Science Monthly*, December, 1913, pp. 590-599.
- Suggested Rules for Naming Garden Vegetables. Report of Committee on Nomenclature adopted by the Vegetable Growers' Association of America. *Market Growers' Journal*, November 1, 1914.
- Pomological Nomenclature. *Annual Report, Ohio State Horticultural Society*, February, 1915, pp. 79-81.
- For an American Federation of Horticulture. Report to Biennial Meeting of the American Pomological Society. *International Journal of Commercial Horticulture*, Rochester, N. Y., October, 1915.

Lerando, Leon Z., (Department of German)

- Bohemia's Endeavors at World's Peace, Arbitration and World's Federation. *Publications, Society for the Advancement of Slavonic Study*, 1918, 14 pp.

Leighton, Joseph A., (Department of Philosophy)

- Truth, Reality, and Relation. *Philosophical Review*, XXIII, pp. 17-26.

- The Ethical Value of Intelligence. *The Chronicle*, January, 1914, pp. 249-254.
- Culture, Ethics, and the War. *The Forum*, LIII, pp. 344-353.
- Internationalism and the Philosophy of Nationality. *The Cosmopolitan Student*, V, No. 6, January, 1915, pp. 169-173.
- Percipients, Sense-Data and Things. *Journal of Philosophy, Psychology and Scientific Methods*, XIII, 1916, pp. 121-128.
- Wanted—An American World-Policy. *The Chronicle*, XVI, 1916, pp. 230-244.
- The Embattled Political Philosophies. *The Chronicle*, XVII, 1916, pp. 230-244.
- Some By-products of the Reformation. *The Churchman*, October 27, 1917, pp. 529-531.
- Democracy and Intellectual Distinction. *School and Society*, V, 1917, pp. 421-430.
- Educational Preparedness for Peace. *The Scientific Monthly*, July, 1917, V, pp. 1-21.
- Time and the Logic of Monistic Idealism. In volume entitled *Philosophical Essays in Honor of J. E. Creighton*. Macmillan Company, New York, 1917.
- Aims and Methods in Introductory Courses in Philosophy. *Transactions, Ohio College Association for 1916*, pp. 40-45.
- Reviews as follows:
- Emile Meyerson, Identite et Realite. *Philosophical Review*, XXIII, pp. 74-77.
- Charles Gray Shaw, The Ego and Its Place in the World. *Philosophical Review*, XXIV, 1915, pp. 213-216.
- More's The Limitations of Science, *Journal of Philosophy, Psychology and Scientific Methods*, XIV, 1916, pp. 384-388.
- Lewisohn, Ludwig, (Department of German)**
- The Dramatic Works of Gerhart Hauptmann. Translated and edited with Introductions. III, IV, V, VI, VII. B. W. Huebsch, New York, 1914, 1915.
- The Modern Drama: An Essay in Interpretation. Pp. XII+340. B. W. Huebsch, New York, 1915.
- Lockhart, Oliver C., (Department of Economics and Sociology)**
- The Assessment of Intangible Property in Ohio under the Uniform Rule. *Proceedings, Seventh Conference, National Tax Association*, 1913, pp. 74-83.
- Farm Loans in Ohio. *American Economic Review*, IV, pp. 961-968, December, 1914.

- The Operation of the New Tax System in Ohio. Second Annual Conference on Taxation in Indiana. *Indiana University Bulletin*, XII, No. 15, 1915, pp. 110-113.
- Recent Developments in Taxation in Ohio. *Quarterly Journal of Economics*, XXIX, pp. 480-521, May, 1915.
- Review: National and Municipal Finance, by W. Jones. *American Economic Review*, IV, pp. 180-181, March, 1914.
- Review: Taxation, by C. B. Fillebrown. *American Economic Review*, IV, pp. 681, September, 1914.
- Review: The Financial History of New York State, by Don C. Sowers. *Journal of Political Economy*, XXII, pp. 89-90, January, 1915.
- Review: Die Steuerreserven in England und Deutschland, by J. Wolf. *American Economic Review*, V, pp. 120-121, March, 1915.
- Review: The Principles of Taxation, by Hastings Lyon. *American Economic Review*, V, June, 1915, p. 370.

Lyman, John F., (Department of Agricultural Chemistry and Soils)

Excretion of Creatine and Creatinine Parenterally Introduced. With J. C. Trimby. *Journal, Biological Chemistry*, XXIX, pp. 1-5, 1917.

Metabolism of Fats, I. Utilization of Palmitic Acid, Glycerol Palmitate and Ethyl Palmitate by the Dog. *Journal, Biological Chemistry*, XXXII, pp. 7-11, 1917.

Metabolism of Fats, II. Effect of Feeding Free Palmitic Acid, Glycerol Palmitate and Ethyl Palmitate on the Depot Fat in the White Rat. *Journal, Biological Chemistry*, XXXII, pp. 13-16, 1917.

McCall, Arthur G., (Department of Agronomy)

Ear Characters Not Correlated with Yield in Corn. With Clark Wheeler. *Journal, American Society of Agronomy*, V, No. 2, 1913.

The Absorption of Potassium. Chapter X, Publication No. 250, 1915, Carnegie Institution of Washington.

A New Method for the Study of Plant Nutrients in Sand Cultures. *Journal, American Society of Agronomy*, VII, No. 5, September-October, 1915.

Field and Laboratory Studies of Soils. John Wiley & Sons, June, 1915. 85 pp. 32 figures.

McCormick, Eugene F., (College of Medicine)

The Control of Communicable Diseases by the Municipality. *Ohio State Board of Health Monthly Bulletin*, III, pp. 225-234, 1913.

- The Teacher's Work in the Field of Public Health. *Ohio State Board of Health Monthly Bulletin*, III, pp. 438-489, 1913.
- Preventable Diseases. *Ohio State Board of Health Monthly Bulletin*, III, pp. 681-698, 1913.
- The Conservation of Public Health. *Ohio State Board of Health Monthly Bulletin*, IV, pp. 63-77, 1914.
- The Relationship of the Dentist to the Problems of Public Health. *Ohio State Board of Health Monthly Bulletin*, IV, pp. 165-175, 1914.
- Acute Poliomyelitis. *Ohio State Board of Health Monthly Bulletin*, IV, pp. 23-63, 175-203, 335-358, 1914.
- The Relation of the Funeral Director and Embalmer to the Public Health. *Ohio State Board of Health Monthly Bulletin*, IV, pp. 943-954, 1914.
- The Trachoma Situation as It Concerns Ohio. *Ohio State Board of Health Monthly Bulletin*, IV, pp. 943-954, 1914.
- Medical Education in Hygiene and Public Health. *Ohio State Board of Health Monthly Bulletin*, IV, pp. 1509-1518, 1914; *Ohio State Medical Journal*, October, 1913, pp. 463-468.
- Some Advances in Our Knowledge of Infectious Diseases. *Ohio State Board of Health Monthly Bulletin*, IV, pp. 1238-1272, 1914.
- The State Health Department and the Tuberculosis Problem. *Ohio State Board of Health Monihly Bulletin*, IV, pp. 1357-1378, 1914. *Transactions, National Association for the Study and Prevention of Tuberculosis*, 1914.
- The Pollution of Streams in Ohio and the Effects of the Pollution on the Public Health, Livestock and the Fish. *Ohio State Board of Health Monthly Bulletin*, IV, pp. 1378-1395, 1914. With W. H. Dittoe.
- Methods and Channels of Infection. *Ohio Public Health Journal*, V, pp. 3-15, 183-192, 1915; *Marshall's Microbiology*, pp. 520-540.
- The Poisons Secreted by Animals. *Ohio Public Health Journal*, V, pp. 32-41, 195-183, 1915.
- Immunity and Susceptibility. *Ohio Public Health Journal*, V, pp. 301-313, 467-481, 1915; *Marshall's Microbiology*, pp. 541-575.

McKnight, George H., (Department of English)

Some Compound Etymologies. *Journal of English and Germanic Philology*, January, 1913, pp. 110-118.

Middle English Humorous Tales in Verse. D. C. Heath & Co., 1913. Pp. lxxv-156.

St. Nicholas: His Legend and His Role in the Christmas Celebrations and Other Popular Customs. G. P. Putnam's Sons, 1917. Pp. ix-153.

German Patriotic Songs and German National Character. *New York Times*, September, 1917.

McPherson, William, (Department of Chemistry)

A Contribution to the Study of Hydroxyazo-compounds: The Action of Unsymmetrical Benzoylparatolylhydrazine upon Benzo-quinone and Its Homologues. *Journal, American Chemical Society*, XXXVII, p. 906. With George Weatherworth Stratton.

A Course in General Chemistry. With W. E. Henderson. Ginn & Co., 1913.

First Course in Chemistry. With W. E. Henderson. Ginn & Co., 1915.

Laboratory Manual to accompany First Course in Chemistry. With W. E. Henderson. Ginn & Co., 1915.

Laboratory Manual to accompany A Course in General Chemistry. With W. E. Henderson. Ginn & Co., 1915.

Teachers' Manual to accompany First Course in Chemistry. With W. E. Henderson. Ginn & Co., 1915.

Review: Stoddart's Introduction to Organic Chemistry. *Journal of the American Chemical Society*, XXXVI, p. 2414.

A number of papers on the work of the Graduate School, published in the different University publications and reports.

Magruder, William T., (Department of Mechanical Engineering)

The Agricultural Engineer. *Proceedings, Thirteenth Annual Meeting, Association of American Agricultural Colleges and Experiment Stations, Bulletin No. 76*, pp. 103-105, 1899.

Experimental Analysis of a Friction Clutch-Coupling. *Transactions, American Society of Mechanical Engineers*, XXXII, pp. 549-570, 1910.

Two Proposed Units of Power. *Journal, American Society of Mechanical Engineers*, XXXII, No. 6, pp. 1047-1051, June, 1910.

Tests of a Sand-Blasting Machine. *Transactions, American Society of Mechanical Engineers*, XXXIII, pp. 821-837, 1911.

The Good Engineering Teacher, His Personality and Training. Presidential Address, *Proceedings, Society for the Promotion of Engineering Education*, XXI, p. 27, 1913,

and Science, N. S., XXXVIII, pp. 137-143, August 1, 1913; *Ohio State University Bulletin No. 6, XVIII*, October, 1913.

Manson, Edmund S., Jr., (Department of Astronomy)

Measurements of Positions of Asteroids. *Astronomische Nachrichten*, CIVC, No. 4699, p. 334, 1913.

Measurements of Positions of Asteroids. *Astronomische Nachrichten*, CIC, No. 4768, p. 269, 1914.

Mark, Mary Louise, (Department of Economics and Sociology)

A Study of the Juvenile Delinquent. *Bulletin, State Board of Charities and Correction*, June, 30, 1903, pp. 7-23.

The Upper East Side. A Study in Living Conditions and Migration. *Publications, American Statistical Association*, X, pp. 345-368, September, 1907.

Immigrants in Cities. With E. A. Goldenweiser. *Senate Document No. 238, Sixty-first Congress, Second Session*, I, 816 pp.; II, 589 pp. Washington, 1911.

Abstract of Immigration Commission Reports. *Senate Document No. 747, Sixty-first Congress, Third Session*, I, pp. 723-772, Washington, 1911.

Chapter Introductory to General Tables. Immigrants in Industries. *Senate Document No. 633, Sixty-first Congress, Second Session*, VII to XX, Washington, 1911.

Chapter on Retail Prices and on Cost of Living. Report on Strike of Textile Workers, Lawrence Mass. *Senate Document No. 870, Sixty-second Congress, Second Session*, pp. 165-186, Washington, 1912.

Retail Price Bulletins. With others. U. S. Bureau of Labor, 1912-1913.

Marquis, Franklin W., (Department of Mechanical Engineering)

Automatic Boiler Feed-Water Regulators. *Journal, Ohio Society of Mechanical, Electrical and Steam Engineers*, IX, No. 2, p. 13, November, 1916.

Test of Uniflow Steam Traction Engines. *Journal, American Society of Mechanical Engineers*, XXX, No. 5, p. 410, May, 1917.

Means, John W., (Department of Pathology)

Precancerous Conditions of the Involuting Breast and the Importance of Their Recognition. With Jonathan Forman. *Ohio Medical Journal of Science*, June, 1914.

Adenomas of the Mammary Gland. With Jonathan Forman. *Ohio State Medical Journal*, March, 1917.

A Clinicopathologic Study of Early Malignant Conditions of the Face and Mouth. With Jonathan Forman. *Jour-*

nal of American Medical Association, LXVIII, pp. 180-182.

Precancerous Conditions of the Face and Mouth. With Jonathan Forman. *Dental Summary*, XXXV, No. 12.

Epulis. With Jonathan Forman. *Dental Summary*, XXXVI, No. 6.

A Case of Intussusception Due to a Fibroma of the Ileum. With Jonathan Forman. *Journal, American Medical Association*, LXV, pp. 21-23.

A Text Book on Surgical Pathology. With Jonathan Forman. Stoneman Press, Columbus, Ohio.

Metcalf, Clell L., (Department of Zoology and Entomology)

The Syrphidae of Ohio. *Ohio Biological Survey Bulletin*, I, No. 1, pp. 7-123, 11 pl., June, 1913.

A Mechanical Measure for Controlling the Flea-beetle (*Epitrix fuscula*) on Potato. *Journal, Economic Entomology*, VIII, No. 2, pp. 240, 241, 1 pl., April, 1915.

A List of Syrphidae of North Carolina. *Journal, Elisha Mitchell Scientific Society*, December, 1916, pp. 95-112.

Syrphidae of Maine. *Maine Agricultural Experiment Station Bulletin*, No. 253, pp. 193-264, 9 plates, October, 1916.

Two New Syrphidae from Eastern North America. *Entomological News*, XXVIII, pp. 209-212, 1 plate, May, 1917.

Syrphidae of Maine. Second Report. Life-history Studies. *Maine Agricultural Experiment Station Bulletin* 263, pp. 153-176, 5 plates, October, 1917.

The Effect of Contact Insecticides on the Larvae of Syrphidae. Read before the American Association of Economic Entomologists, Columbus, December, 1915.

Metamorphosis of Syrphidae. Read before the Entomological Society of America, Columbus, December, 1915.

A Suggested Method for the Distinctive Description of Dipterous Larvae. Read before the Ohio Academy of Science, April, 1917.

Some New or Interesting Insect Predators. Read before the Ohio Academy of Science, April, 1917.

Morrey, Charles B., (Department of Bacteriology)

Laboratory Exercises in General Bacteriology. 2 editions. Fundamentals of Bacteriology. Lea and Febiger, Philadelphia, 1917.

Osborn, Herbert, (Department of Zoology and Entomology)

Entomological Work in Ohio. *Ohio Naturalist*, XV, pp. 453-462, March, 1915.

- Additions and Notes on the Hemiptera-Heteroptera of Ohio. With C. J. Drake. *Ohio Naturalist*, XV, pp. 501-508, May, 1915.
- Leafhoppers of Maine. *Maine Agricultural Experiment Station*, No. 238, pp. 81-160. June, 1915, pp. 588-594.
- Insects—Poisonous. Reference Handbook of the Medical Sciences. Revised in 1915.
- Insects—Parasitic. *Ibid.*, 1915, pp. 594-605.
- Agricultural Entomology. 347 pp. Lea & Febiger, Philadelphia, Pa.
- Studies of Life Histories of Leafhoppers of Maine. *Maine Agricultural Experiment Station Bulletin*, No. 248, pp. 53-80, 5 pl., 1916.
- Studies of Life Histories of Frog-Hoppers of Maine. *Maine Agricultural Experiment Station Bulletin*, No. 254, pp. 265-288, 6 pl., 1916.
- The Tingitoidea of Ohio. With C. J. Drake. *Ohio Biological Survey*, No. 8, pp. 217-251, 1916.
- Some New Species of Nearctic Tingidae. With C. J. Drake. *Ohio Journal of Science*, XVII, No. 1, pp. 9-15, November, 1916.
- Notes on American Tingidae, with Descriptions of New Species. With C. J. Drake. *Ohio Journal of Science*, XVII, pp. 295-307, June, 1917.
- Notes on Tingidae. With C. J. Drake. *Psyche*, XXIV, pp. 154-161, 1917.
- Control of Meadow and Pasture Insects. *Ohio Agricultural Experiment Station Monthly Bulletin*, No. 20, pp. 268-273, August, 1917.
- Rhynchota of the Isle of Pines. With Otto Heidemann. *Annals, Carnegie Museum*, XI, pp. 346-355, November, 1917.
- Observations on Meadow Insects. *Proceedings, Society for the Promotion of Agricultural Science*, 1917, pp. 60-66.
- Editor, *Annals, Entomological Society of America*.

Osburn, Raymond C., (Department of Zoology)

(Contributions since 1899)

- A List of the Fishes. With E. B. Williamson. *Ohio Academy of Science*, 1899, 10 pp.
- The Crayfish of Ohio. With E. B. Williamson. *Ibid.*, 1 p.
- A Descriptive List of the Fishes of Big Illoway Creek and Tributaries, Knox County, Ohio. With J. B. Parker and E. B. Williamson. *Ibid.*, 1900, 15 pp.
- The Fishes of Ohio, *Ibid.*, May, 1901, 105 pp.
- Aquatic Adaptations in Mammals. *American Naturalist*, October, 1903, 15 pp.

- The Diptera of British Columbia. Second Part, The Syrphidae. *Canadian Entomologist*, August and September, 1904, 14 pp.
- The Odonata of British Columbia. *Entomological News*, June, 1905, 13 pp. and 4 figures.
- Adaptive Modifications of the Limb Skeleton in Aquatic Reptiles and Mammals. *Annals, New York Academy of Science*, March, 1906, 36 pp. and 3 plates.
- Observations and Experiments on Dragonflies in Brackish Water. *American Naturalist*, June, 1906, 5 pp.
- The Uses of the Fins of Fishes. *New York Zoological Society Bulletin*, April, 1907, 2 pp. and 1 figure.
- The Origin of Vertebrate Limbs: Recent Evidence upon This Problem from Studies on Primitive Sharks. *Annals, New York Academy of Science*, May 21, 1906, 22 pp.
- Observations on the Origin of the Paired Limbs of Vertebrates. *American Journal of Anatomy*, August 1, 1907, 23 pp. and 5 plates.
- The Syrphidae of British Columbia (annotated list). *Bulletin, British Columbia Entomological Society*, December, 1907, 4 pp.
- British Columbia Syrphidae, New Species and Additions to the List. *Canadian Entomologist*, January, 1908, 14 pp. and 5 figures.
- Replacement of an Eye by an Antenna in an Insect. *Syrphus arcuatus*. *Science*, January 19, 1908.
- Studies on Syrphidae, I. *Syrphus arcuatus* Fallen and a Related New Species. *Journal, New York Entomological Society*, March, 1910, 5 pp. and 1 plate.
- Studies on Syrphidae, II. The Invalidity of *Scaeva* (*Catomboma*) as a Genus. *Ibid.*, 5 pp. and 1 plate.
- Studies on Syrphidae, III. An Interesting Meristic Variation in *Syrphus perplexus* Osburn. *Ibid.*, 5 pp. and 1 plate.
- Effects of Brachycephaly and Dolichocephaly on the Teeth of Man. *Dental Cosmos*, May, 1910, 12 pp. and 11 figures.
- A Rare Fish from the New Jersey Coast (*Polyprion americanus*). *Science*, October 21, 1910.
- Effects of Exposure of the Gill Filaments of Fishes. *Transactions, American Fisheries Society* for 1910, 6 pp.
- Skates and Flounders: A Study in Adaptation. *New York Zoological Bulletin*, March, 1911, 3 pp., 2 figures.
- Bryozoa or Moss Animals. *Ibid.*, 3 pp. and 3 cuts.
- The Fur Seal. *Ibid.*, 4 pp. and 7 figures.
- The Freshwater Eel. *Ibid.*, 2 pp. and 2 figures.

- The Old Man of the Sea. *Ibid.*, 1 p. and 3 figures.
- California Elephant Seals at the New York Aquarium. *New York Zoological Society Bulletin*, May, 1911, 4 pp. and 4 figures.
- The Evolution of the Occlusion of the Teeth. *American Orthodontist*, July, 1911, 12 pp.
- Key West Fishes at the New York Aquarium. *New York Zoological Bulletin*, 4 pp. and 11 figures.
- On the California Sea Elephant. *Bulletin of the Arctic Club of America*, No. 24, 1911.
- The Balanced Aquarium. *New York Zoological Society Bulletin*, March, 1912, 16 pp. and 21 figures. Reprinted in *The Scientific American*, April 27, 1912.
- The Bryozoa of the Woods Hole Region. *Bulletin, U. S. Bureau of Fisheries*, XXX, 1910, 94 pp. and 14 plates. (Issued June 25, 1912.)
- On Supernumerary Teeth in Man and Other Mammals. *Dental Cosmos*, November, 1912, 11 pp.
- The Crayfish. *New York Zoological Bulletin*, November, 1912, 7 pp. and 7 figures. Reprinted in *The Scientific American*, March 22, 1913.
- Fishes That Produce Living Young. *New York Zoological Society Bulletin*, November, 1912, 2 pp. and 1 figure.
- Species of Fishes in the World. *Ibid.*, 1 p.
- Bryozoa from Labrador, Newfoundland and Nova Scotia, Collected by Dr. Owen Bryant. *Proceedings, U. S. National Museum*, XLIII, pp. 279-289, with 1 plate. November 20, 1912.
- The Vertebrates in the New York Aquarium. A Catalog of the 379 Species Exhibited to Date. *Seventh Annual Report, New York Zoological Society*, January, 1913, 14 pp.
- A Biological Survey of the Waters of Woods Hole and Vicinity. With F. B. Summer, L. J. Cole and B. M. Davis. *Bureau of Fisheries Bulletin*, XXXI, 1911, 2 vols., 860 pp. Published in 1913.
- Bryozoa in Biological Survey of the Woods Hole Region. *Bulletin, U. S. Bureau of Fisheries*, XXXI, 1911, Part 1, pp. 102-110, and distribution charts on pp. 245-264. Part 2, pp. 596-607.
- Attached Animals. *New York Zoological Society Bulletin*, March, 1913, 6 pp. and 9 figures.
- Syrphidae in the Hydrophytic Area. *Journal, New York Entomological Society*, March, 1913, 2 pp.
- Tabanidae as Inhabitants of the Hydrophytic Area. *Ibid.*, 3 pp.

- Odonata in Relation to the Hydrophytic Environment. *Ibid.*, 3 pp.
- The Evolution of Occlusion, with Special Reference to That of Man. Address before Pennsylvania State Dental Society. *Dental Cosmos*, December, 1913, 8 pp.
- Fish Cancer Investigation. *New York Zoological Society Bulletin*, March, 1914, 3 pp.
- Bryozoa of the Tortugas Islands, Florida. Publication No. 182, *Carnegie Institution of Washington*, 1914, pp. 181-222, with 23 figures.
- Movements of Sea Anemones. *New York Zoological Society Bulletin*, November, 1914, 4 pp. and 2 figures.
- Some Facts About the Blue Crab. *Ibid.*, 5 pp. and 4 figures.
- A New Serranid Fish from Florida, *Dermatolepis Marmoratus*. With L. L. Mowbray. *Zoologica, Scientific Contributions*, *New York Zoological Society*, 1915, 5 pp.
- Studies in Syrphidae, IV. Species of *Eristalis* New to America, with Notes on Others. *Journal, New York Entomological Society*, June, 1915, 7 pp.
- Shore Fishes Collected by the "Albatross" Expedition in Lower California, with Descriptions of 15 New Species. *Bulletin American Museum of Natural History*, May 26, 1916, 42 pp. and 15 figures. 181 species recorded.
- Mouth Hygiene, by Dr. A. C. Fones. First section (56 pp.) dealing with general anatomy, by R. C. Osburn. *Lea & Febiger, Philadelphia*, 1916.
- Reviews in *Journal, New York Entomological Society*, *New York Zoological Society Bulletin*, and *Science*.

Park, Jay B., (Department of Farm Crops)

- Soybeans: Their Culture and Uses. With C. G. Williams. *Ohio Agricultural Experiment Station Bulletin*, No. 312, pp. 581-600, March, 1917.
- Studies on Self-Sterility, I. The Behavior of Self-Sterile Plants. With E. M. East. *Genetics*, II, pp. 505-609.
- Growing Red Clover in the Rotation. *Agricultural Student*, Ohio State University, XXIII, No. 5, pp. 303-305.
- Soybeans for Human Food. *Ohio Farmer*, CXXXIX, No. 20, p. 687, May 19, 1917.
- Soybeans for Food. *Agricultural Student*, Ohio State University, XXIV, No. 1, pp. 42-44.
- Plant Breeding as a Means of Increasing the Food Supply. Read before Association of Ohio Teachers of Mathematics and Science, March 30, 1918.

Parry, Carl E., (Department of Economics and Sociology)
(Contributions since 1908)

The Labor Commissioner's Audience. *Proceedings, Association of Officials of Bureaus of Labor Statistics*, August, 1908, pp. 16-27.

What Our Labor Laws Need to Make Us Proud. *Twenty-fifth Annual Report, Michigan Bureau of Labor and Industrial Statistics*, pp. 329-339, 1908.

Individualization of Members of the Family. *American Journal of Sociology*, XIV, pp. 816-819, May, 1909.

The Definition of Socialism. *Bulletin, American Economics Association*, April, 1911, pp. 355-356.

Reviews as follows:

Social Organization. By Charles H. Cooley. *Michigan Alumnus*, XV, pp. 431-432, June, 1910.

Source Book for Social Origins. By William I. Thomas. *International Journal of Ethics*, XXI, pp. 112-114, October, 1910.

Modern Socialism in Its Historical Development. By Dr. M. Tugan-Baranowsky. *Journal of Political Economy*, XIX, pp. 420-427, May, 1911.

Wealth and Welfare. By A. C. Pigow. *Journal of Political Economy*, XXIII, pp. 622-629, June, 1915.

Pearson, Frank B., (Department of School Administration)

The Evolution of the Teacher. Row, Peterson & Co., Chicago.

The High School Problem. Row, Peterson & Co.

Peirce, Walter, (Department of Romance Languages)

Pêcheur D'Islande. By Pierre Loti. Ginn & Co., Boston, 1913.

Destouches and Molière. *Modern Language Notes*, April, 1914.

Review: Les Comédies-Ballets de Molière. By Maurice Pel-lisson. *Modern Language Notes*, February, 1915.

Perkins, Clarence, (Department of European History)

A Select Bibliography for the History of Europe in the Past Twenty-five Years. *History Teachers' Magazine*, V, pp. 292-296.

The Magazine and the War. *History Teachers' Magazine*, VI, pp. 121-122.

Numerous reviews in *History Teachers' Magazine*.

Pflueger, Otto F., (Department of Forestry)

Notes on Ohio Woodlots. *Ohio Forester*, VI, No. 3, p. 3, July, 1914.

Our National Parks and Monuments. *Ohio Forester*, VI, No. 1, p. 14, January, 1914.

Pintner, Rudolph, (Department of Psychology)

A Comparison of the Ayres and Thorndike Handwriting Scales. *Journal of Educational Psychology*, V, No. 9, pp. 525-536, November, 1914.

One Hundred Delinquents Tested by the Binet Scale. *Pedagogical Seminary*, XXI, No. 4, pp. 523-531, December, 1914.

Experience and the Binet-Simon Tests. With D. G. Paterson. *Psychological Clinic*, VIII, No. 7, pp. 197-200, December 15, 1914.

Translation of Klemm's History of Psychology. With E. G. Wilm. 380 pp. Scribner's, 1914.

The Factor of Experience in Intelligence Testing. With D. G. Paterson. *Psychological Clinic*, IX, No. 2, pp. 44-50, April, 1915.

The Binet Scale and the Deaf Child. With D. G. Paterson. *Journal of Educational Psychology*, VI, No. 4, pp. 201-210, April, 1915.

The Standardization of Knox's Cube Test. *Psychological Review*, XXII, No. 5, pp. 377-401, September, 1915.

Mental Tests. With D. G. Paterson. *American Annals of the Deaf*, LX, No. 4, pp. 297-300, September, 1915.

The Testing of Intelligence in Its Relation to the Public Health. *Ohio Public Health Journal*, VI, No. 5, pp. 501-505, November, 1915.

A Class Test with Deaf Children. With D. G. Paterson. *Journal of Educational Psychology*, VI, No. 10, pp. 591-600, December, 1915.

The Formboard Ability of Young Deaf and Hearing Children. With D. G. Paterson. *Psychological Clinic*, IV, No. 8, pp. 234-237, January 15, 1916.

Learning Tests with Deaf Children. With D. G. Paterson. *Psychological Review Monographs*, XX, No. 4, Whole No. 88, pp. 58, February, 1916.

Oral and Silent Reading. With A. R. Gilliland. *Journal of Educational Psychology*, VII, No. 4, pp. 201-212, April, 1916.

A Psychological Basis for the Diagnosis of Feeble-mindedness. With D. G. Paterson. *Journal of Criminal Law and Criminology*, VII, No. 1, pp. 32-55, May, 1916.

The Müller-Lyer Illusion with Children and Adults. With Margaret M. Anderson. *Journal of Experimental Psychology*, I, No. 3, pp. 220-210, June, 1916.

- The Survey of a Day-School for the Deaf. With D. G. Paterson. *American Annals of the Deaf*, LXI, No. 5, pp. 417-433, November, 1916.
- A Measurement of the Language Ability of Deaf Children. With D. G. Paterson. *Psychological Review*, XXIII, No. 6, pp. 413-436, November, 1916.
- The Value of Mental Testing in the Elimination of the Repeater. *School and Society*, IV, No. 102, pp. 909-911, December 9, 1916.
- The Ability of Deaf and Hearing Children to Follow Printed Directions. With D. G. Paterson. *Pedagogical Seminary*, XXIII, No. 4, pp. 477-497, December, 1916.
- A Discussion of the Index of Formboard Ability. With D. G. Paterson. *Psychological Clinic*, X, No. 7, pp. 192-198, December, 1916.
- A Comparison of Deaf and Hearing Children in Visual Memory for Digits. With D. G. Paterson. *Journal of Experimental Psychology*, II, No. 1, pp. 76-88, February, 1917.
- The Mentality of the Dependent Child, Together with a Plan for a Mental Survey of an Institution. *Journal of Educational Psychology*, VIII, No. 4, pp. 220-238, April, 1917.
- A Mental Survey of the School Population of a Village. *School and Society*, V, No. 125, pp. 597-600, May 19, 1917.
- A Scale of Performance Tests. With D. G. Paterson. Pp. X+218. D. Appleton & Co., New York, May, 1917.
- A Chart for Rapid Computation of Point Scale Scores. With H. A. Toops. *Journal of Delinquency*, II, No. 4, pp. 209-210 and chart, July, 1917.
- A Mental Survey of the Population of a Workhouse. With H. A. Toops. *Journal of Delinquency*, II, No. 5, pp. 278-287, September, 1917.
- Children Tested by the Point Scale and the Performance Scale. With J. C. Reamer. *Psychological Clinic*, XI, No. 5, pp. 142-151, October, 1917.
- Psychological Tests of Deaf Children. With D. G. Paterson. *Volta Review*, XIX, No. 12, pp. 661-667, December, 1917.
- Mental Tests of Unemployed Men. Part 1. With H. A. Toops. *Journal of Applied Psychology*, I, No. 4, pp. 325-341, December, 1917.
- The Picture Completion Test. With M. M. Anderson. *Educational Psychology Monographs*, No. 20, pp. vii+101. Warwick and Work, Baltimore, December, 1917.

Reviews:

Anthropometry as an Aid to Mental Diagnosis. By E. A. Doll. *Journal of Delinquency*, II, No. 2, pp. 97-99, March, 1917.

The Intellectual Status of Children who are Public Charges. By Stenquist, Thorndike and Trabue. *Journal of Delinquency*, I, No. 2, pp. 107-109, May, 1916.

Also reviews in other journals.

Prosser, Charles S., (Department of Geology)

The Ideals and Standards of Sigma Xi. *Sigma Xi Quarterly*, I, No. 3, pp. 61-67, September, 1913.

The Aims and Objects of the Society of the Sigma Xi. *Science*, N. S., XL, No. 1025, pp. 249-256, August 21, 1914.

The Middle and Upper Devonian of the Romney Region, West Virginia. *Journal of Geology*, XXIII, No. 1, pp. 11-26, January-February, 1915.

Outlines of Field Trips in Geology for Central Ohio. With William C. Morse. Second edition revised by Charles S. Prosser. College Book Store, Columbus, O. 112 pp. April, 1915.

Plumb, Charles S., (Department of Animal Husbandry)

Beginnings in Animal Husbandry. 339 pp., 216 figures. Webb Publishing Co., St. Paul, 1914.

Judging Farm Animals. 590 pp., 299 figures. Orange Judd Publishing Co., New York, 1916.

Cattle. Article in *Cyclopaedia Americana*, 1918.

Co-ordination of Courses in Animal Husbandry. Read before The American Society of Animal Production, December 22, 1915.

Ramsower, Harry C., (Department of Agricultural Engineering)

Leading articles on water supply problems and lighting systems contributed to *The Ohio Farmer*.

Rasor, Charles E., (Department of Mathematics)

Mathematics for Students of Agriculture. Macmillan Co., 1918.

On the Integration of Volterre Derivatives. Read before the American Mathematical Society, January 1, 1916. *Bulletin of the American Mathematical Society*, March, 1916, pp. 282, 283, 293.

Problems in Calculus and Analysis. *American Mathematical Monthly*, XXIII, No. 4, p. 123, April, 1916; No. 5, p. 216, May, 1916; No. 8, p. 304, October, 1916; XXV, No. 4, April, 1918.

Farm Arithmetic, 25 pp. In *Farm Encyclopedia*. Doubleday, Page & Co., 1918.

Reed, Carlos I., (Department of Physiology)

Tumors in Dogs, I. Carcinomas of the Thyroid Gland. With Jonathan Forman. *Ohio Journal of Science*, XVII, No. 6.

Tumors in Dogs, II. A Fibroblastoma of the Alveolar Border of the Jaw, Containing Giant Cells (a Giant Cell Epulis). With Jonathan Forman. *Ohio Journal of Science*, XVIII, No. 1, November, 1917.

Reeder, Charles W., (Library Staff)

Bibliography on the Minimum Wage, March 6, 1914. *Ohio Industrial Commission, Department of Investigation and Statistics. Report No. 1*, pp. 23-33. Wages and Hours of Labor in Mercantile Establishments in Ohio in 1913.

Bibliography of Recent Investigations of Cost of Living, June 25, 1915. *Ohio Industrial Commission, Department of Investigation and Statistics. Report No. 14*, pp. 246-247. Cost of Living of Working Women in Ohio.

Popularizing State Documents. *Proceedings and Addresses, Twentieth Convention, National Association of State Librarians*, 1917, pp. 10-17.

State Document Lists, Nos. 1-45, issued by Ohio State University Library, October, 1915, to June, 1917.

Also articles in *National Municipal Review*.

Reel, Philip J., (Department of Surgery)

Cystic Dilation of the Vermiform Appendix. *Annals of Surgery*, June, 1917.

Robinson, Alice, (Department of Art)

A Suggestive Report on the Teaching of Drawing and "Art" in the Public Schools of Ohio. *Bulletin No. 5, 1916, Whole No. 17, Department of Public Instruction, State of Ohio*.

On the Teaching of Design. *School Arts Magazine*, June, 1917.

A series of ten papers on American Sculpture and Painting, *Normal Instructor and Primary Plans*, year of 1917-1918.

Ruggles, Clyde O., (Department of Economics and Sociology)

The Proposal of the Carnegie Foundation for Teachers' Insurance. *Journal of Political Economy*, XXV, No. 3, pp. 286-295, March, 1917.

The Special Report of the Interstate Commerce Commission. *American Economic Review*, VIII, pp. 181-183, March, 1918.

Review of Merk's Economic History of Wisconsin during the Civil War Decade. *American Economic Review*, VIII, pp. 105-107, March, 1918.

Discussion of Undergraduate Courses in Economics before the Western Economic Society, November, 1916. *Journal of Political Economy*, XXV, pp. 25-28, January, 1917.

Sanborn, Frank E., (Department of Industrial Arts and Shop-work)

Outline of the Metallurgy of Iron and Steel. A chart, 1912. Technical Museums. *Journal, Ohio Society of Mechanical, Electrical and Steam Engineers*, VII, No. 1, p. 41, November, 1914.

Planning the Futures of Maimed Soldiers. *Survey*, September 11, 1915, p. 527.

Schaffner, John H., (Department of Botany)

The Classification of Plants. *Ohio Naturalist*, XIV, pp. 198-203, 211-214.

Field Manual of Trees. Including Southern Canada and the Northern United States westward to the limits of the Prairie. 154 pp. R. G. Adams & Co., Columbus, Ohio.

Catalog of Ohio Vascular Plants. *Ohio Biological Survey*, I, Bulletin No. 2, 122 pp. July, 1914.

A Preliminary Survey of Plant Distribution in Ohio. *Ohio Naturalist*, XV, pp. 409-418.

New and Rare Plants Added to the Ohio List in 1914. *Ohio Naturalist*, XV, p. 432.

Peculiar Varieties of Amaranthus Retroflexus. *Ohio Naturalist*, XV, pp. 469-471.

A Key to the Families of Seed Plants in the Central and Northern States. With glossary. 3d edition, revised. 48 pp. Columbus, Ohio.

The Chromosome Mechanism as a Basis for Mendelian Phenomena. *Ohio Naturalist*, XV, pp. 509-518.

Also reviews in *The Ohio Naturalist*, XIV and XV.

Schlesinger, Arthur M., (Department of American History)

The Uprising against the East India Company. *Political Science Quarterly*, XXXII, pp. 60-79.

Basis of the Ohio-Michigan Boundary Dispute, in C. E. Sherman's The Ohio-Michigan Boundary, pp. 59-70, 113-115. Reprinted in *Michigan Geological and Biological Survey, Publication 22, Geology Series 18*.

History Teaching and Geography. *Ohio History Teachers' Journal*, Bulletin 5, pp. 175-178.

Survey of High School Texts and Source Books in United States History. *Ibid.*, pp. 183-188.

The Uprising against the East India Company. Read before the Cincinnati meeting of the American Historical Association, December 27, 1916.

Schlesinger, George F., (Department of Civil Engineering)

Method of Approximating Horizontal Distances with the Plain Transit. *Engineering News*, LXXII, p. 943, November 5, 1914.

Relining Railroad Curves. *Engineering News-Record*, LXXX, No. 11, p. 528.

Other contributions on Railway Maintenance to same journal during 1915.

Scott, Ernest, (Department of Pathology)

Primary Carcinoma of the Lungs. With Jonathan Forman. *Medical Record*, September 9, 1916.

Lympho-Blastomata of the Gastro-Intestinal Tract, with a Report of a Case of Hodgkin's Disease of the Stomach. With Jonathan Forman. *Ohio State Medical Journal*, April, 1916.

Twin Pregnancy in a Horn of Bicornuate Uterus, with Retention of the Fetuses for Twenty Years. With Jonathan Forman. *American Journal of Obstetrics*, LXXII, No. 3, 1913.

Epidermoid Carcinoma of a Large Bronchus, with Cavity Formation and Metastasis in the Radius. With J. W. Leist. *Medical Record*, September 29, 1917.

Tumors of the Kidney in Rabbits. *Journal of Cancer Research*, II, No. 3, July, 1917.

Four Cases of Sudden Death in a Silo. With E. R. Hayhurst. *Journal American Medical Association*, LXIII, pp. 1570-1572.

Sears, Paul B., (Department of Botany)

The Insect Galls of Cedar Point and Vicinity. *Ohio Naturalist*, December, 1914, pp. 377-388, pl. XVIII-XXI.

Seymour, Raymond J., (Department of Physiology)

The Diastatic Action of Saliva in the Horse. *American Journal of Physiology*, XLIII, No. 4, pp. 577-585, July, 1917.

The Endocrinous Glands. Read before the General Practitioners' Society, Columbus, Ohio, September, 1916.

Emulsion Chemistry. Read before the same society, January, 1917.

The Physiology of Temperature. Read before the Columbus Academy of Medicine, May, 1917.

Sheard, Charles, (Department of Physics)

On Temperature and Surface Conditions which Affect the Positive Ionization from Heated Platinum. With D. A. Woodbury. *Physical Review, N. S.* II, pp. 288-299, October, 1913.

On the Vibrations of a Lecher System, Using a Lecher Oscillator. *Physical Review*, March, 1914, pp. 217-232.

The Positive Ionization from Heated Platinum. *Philosophical Magazine*, XXVIII, August, 1914, pp. 170-188.

Dioptric Formulae for Cylindrical Lenses at Oblique Axes. *Physical Review, N. S.* IV, September, 1914, pp. 274-278.

Cylindrical Lenses. Series of ten articles in the *Optical Journal and Review*, September, 1914, to February, 1915.

Sherman, Christopher E., (Department of Civil Engineering)

Presidential Address. *Proceedings, Ohio Engineering Society*, February, 1914.

Summer Surveying Courses at the Ohio State University.

With R. K. Schlafly. *Proceedings, Society for the Promotion of Engineering Education*, XXI, 40 pp.

Civil Engineering Theses. *Ibid.*, p. 169.

Short Winter Courses in Highway Engineering. *Ibid.*, p. 393.

The Ohio-Michigan Boundary. Vol. I of Final Report, Ohio Co-operative Topographic Survey, 1916. 115 pp., 12 maps. With State Geologist of Michigan.

Description of Surveying Marks and Monuments Used in Making the Topographic Survey of Ohio. Vol. II, 1917. 760 pp., 3 maps.

What is Best in an Engineering Education. *Ohio State Engineer*, January, 1918.

Contributor to the *Kit Kat*.

Siebert, Wilbur H., (Department of European History)

The Exodus of the Loyalists from Penobscot, and the Loyalist Settlements at Passamaquoddy. With map. *Collections, New Brunswick Historical Society*, No. 9, 1914, 44 pp.

Same article. *Ohio State University Bulletin*, XVIII, No. 26, April, 1914.

The Temporary Settlement of Loyalists at Machiche, P. Q.

- Transactions, Royal Society of Canada, Series III, VIII, 1914, 7 pp.*
- The Loyalist Settlements on the Gaspé Peninsula. *Transactions, Royal Society of Canada, Series III, VIII, 1914, 7 pp.*
- The Dispersion of the American Tories. *Mississippi Valley Historical Review, I, September, 1914, 13 pp.*
- The Tories of the Upper Ohio. *Biennial Report of the Department of Archives and History of the State of West Virginia, 1913-14, pp. 38-48.*
- The Loyalists and Six Nation Indians in the Niagara Peninsula. *Transactions, Royal Society of Canada, Series III, IV, 1915.* (With two maps.) 49 pp.
- The Loyalist Refugees of New Hampshire. *Ohio State University Bulletin, XXI, No. 2, October, 1916, 23 pp.*
- The Refugee Loyalists of Connecticut. *Transactions, Royal Society of Canada, Series III, V, 1916, pp. 75-92.*
- The American Loyalists. Article in the *Encyclopedia Americana, 1917.*
- Address on "The Loyalists of Pennsylvania" before a joint meeting of the Ohio Valley Historical Society and the Historical Society of Western Pennsylvania at Pittsburgh, December, 1917.
- Address before the Language and Literature Club of the Ohio State University on "The Writing of History," 1917.
- Managing Editor of *The Ohio History Teachers' Journal.*
- Sisson, Septimus, (Department of Veterinary Medicine)**
- The Anatomy of the Domestic Animals. 930 pp., 725 illustrations. W. B. Saunders Co., Philadelphia and London, 1914.
- A Veterinary Dissection Guide, 1914. Pp. vi+55. Columbus, Ohio.
- Report of Committee on Revision of Veterinary Anatomical Nomenclature. With I. E. Newsom and S. L. Stewart. *Proceedings, American Veterinary Medical Association, 1913, pp. 191-225.*
- Some Mechanical Factors in Digestion. *American Veterinary Review, July, 1914, pp. 408, ff.*
- Smith, Alpheus W., (Department of Physics)**
- Longitudinal Thermomagnetic Potential Difference. *Physical Review, N. S., II, p. 383, 1913.*
- Leduc Effect in Some Metals and Alloys. With Alva W. Smith. *Physical Review, N. S., V, p. 35, 1915.*
- Hall Effect and Allied Phenomena in Rare Metals and Alloys. *Physical Review, N. S., VIII, pp. 79-88, 1915.*

The Electrical Conductivity of Indium and Thallium. *Ohio Journal of Science*, XVI, pp. 244-47, 1916.

The Reversal of the Hall Effect in Alloys. *Physical Review*, N. S., X, pp. 358-365, 1917.

Smith, J. Warren, (Department of Meteorology)

The Effect of Weather upon the Yield of Corn. *Monthly Weather Review*, February, 1914, p. 78.

Possibility of a Recurrence of the Floods of March, 1913. *Report, Thirty-fourth and Thirty-fifth Annual Meetings of the Ohio Engineering Society*, p. 177.

Precipitation and Floods of Ohio, March, 1913. *Bulletin Z, United States Weather Bureau*, p. 45.

Lightning and Lightning Conductors. *Proceedings and Papers, Nineteenth Annual Meeting of the National Association of Mutual Insurance Companies*, p. 23.

Frost Warnings and Orchard Heating in Ohio. *Monthly Weather Review*, October, 1914, p. 573.

Predicting Minimum Temperatures for Frost Protection. *Ohio Naturalist and Journal of Science*, XV, No. 3, January, 1915, p. 405.

Efficacy of Lightning Rods. *Ohio Naturalist*, XV, No. 4, February, 1915, p. 437.

Phenological Dates and Meteorological Data Recorded by Thomas Mikesell at Wauseon, Ohio, 1883-1912. *Monthly Weather Review, Supplement No. 2*, p. 21.

The Effect of Weather upon the Yield of Potatoes. *Monthly Weather Review*, May, 1915, p. 222.

Spencer, Henry R., (Department of Political Science)

Kultur and Culture. *Cosmopolitan Student*, January, 1915.

Who Made German Opinion? *American Political Science Review*, February, 1915.

Svensen, Carl L., (Department of Engineering Drawing)

Centering Device of Cylinders. *Power*, XXXV, No. 15, April 9, 1912, p. 524.

Sectional Views of Ribs and Symmetrical Parts. *Machinery*, XXI, No. 10, June, 1915, p. 790.

Transeau, Edgar Nelson, (Department of Botany)

On the Geographic Distribution and Ecological Relations of the Bog Plant Societies of Northern North America. *Botanical Gazette*, XXX, pp. 401-420, 1903.

On the Development of Palisade Tissue and Resinous Deposits in Leaves. *Science*, N. S., XIX, p. 866, 1904.

- Climatic Centers and Centers of Plant Distribution. Abstract. *Annual Report, Michigan Academy of Science*, VII, p. 73, 1905.
- The Bogs and Bog Plants of the Huron River Valley. *Botanical Gazette*, XL, pp. 356-375, 418-448; XLI, pp. 17-42. 1905-1906.
- Forest Centers of Eastern America. *American Naturalist*, XXXIX, pp. 875-889, 1905.
- Hybridization a Factor in Migration and Competition. *Science*, XXV, pp. 269-270, 1907.
- The Relation of Plant Societies to Evaporation. *Botanical Gazette*, XLV, pp. 217-231, 1908.
- The Relation of the Climatic Factors to Vegetation. *American Naturalist*, XLIII, pp. 487-493, 1909.
- The Point of View in Vegetation Problems Involving Climate. *Plant World*, XII, pp. 102-104, 1909.
- Successional Relations of the Vegetation about Yarmouth, Nova Scotia. *Plant World*, XII, pp. 1-11, 1909.
- Apparatus for the Study of Comparative Transpiration. *Botanical Gazette*, LII, pp. 54-60, 1911.
- Studying Trees Afield. *Illinois Arbor and Bird Day Annual*, pp. 1-15, 1912.
- The Life History of Gloetaenium. *Botanical Gazette*, LV, pp. 66-73, 1913.
- The Periodicity of Algae in Illinois. *Transactions, American Microscopic Society*, XXXII, pp. 31-40, 1913.
- The Passing of the Teleological Explanation. *School Science and Mathematics*, XIII, pp. 369-381, 1913.
- The Vegetation of Cold Spring Harbor, Long Island, I. The Littoral Series. *Plant World*, XVI, pp. 189-209, 1913.
- Annotated List of the Algae of Eastern Illinois. *Transactions, Illinois Academy of Science*, VI, pp. 69-89, 1913.
- Seasonal Variations of the Osmotic Pressure of Pool, Pond, and Stream Waters. Abstract. *Science, N. S.*, XXXIX, p. 260.
- New Species of Green Algae. *American Journal of Botany*, I, pp. 289-301, 1914.
- Tucker, William M., (Department of Geology)
- Water-power of Southern Indiana. *Thirty-fifth Annual Report, Department of Geology and Natural Resources of Indiana*, pp. 11-77, 1910.
- Water-power of Northern Indiana. *Thirty-sixth Annual Report, Department of Geology and Natural Resources of Indiana*, pp. 469-538, 1911.

Twiss, George R., (Department of Principles and Practice of Education)

The Teaching of the Natural Sciences. Chapter XII, pp. 446-528, in *The Principles of Secondary Education*, edited by Paul Monroe. Macmillan Co., New York, 1914.

The Scientific Study of Teaching Problems. Presidential address before the Department of Science Instruction of the National Education Association. *Proceedings, St. Paul Meeting, N. E. A.*, July, 1914, pp. 723-728.

Recent Tendencies in Science Teaching. *School and Society*, I, Nos. 11 and 12, March 13 and 20, 1915; pp. 387-391 and 421-427.

What Ohio Colleges Are Doing to Supply Teachers under the New Laws. *Transactions, Ohio College Association, Fifty-fourth Annual Meeting*, 1915, pp. 44-50.

High School Inspection in Ohio. *Ohio Educational Monthly*, LXIV, No. 6, pp. 245-251, June, 1915.

Correlation of Physics and Manual Training. *Proceedings, Oakland, Cal., Meeting, N. E. A.*, August, 1915.

A Textbook of the Principles of Science Teaching. 486 pp. Macmillan Co., New York, 1917.

Ohio High School Standards. With F. C. Landsittel. *Bulletin No. 23, State Department of Public Instruction*, Columbus, Ohio, 40 pp., 1917.

Van Meter, Anna R., (Department of Home Economics)

Saving Wheat. With Grace Linder. *Bulletin No. 9, Agricultural College Extension Service of the Ohio State University*, January, 1918.

Selection and Preparation of Food. With Grace Linder. Ten correspondence lessons. Agricultural College Extension Service of the Ohio State University, September, 1917.

Verwiebe, Walter A., (Department of Geology)

The Berea Formation of Ohio and Pennsylvania. *American Journal of Science*, XLII, July, 1916, pp. 43-59.

Correlation of the Mississippian of Ohio and Pennsylvania. *American Journal of Science*, XLIII, April, 1917, pp. 301-319.

Correlation of the Devonian Shales of Ohio and Pennsylvania. *American Journal of Science*, XLIV, July, 1917, pp. 33-48.

Vogt, Paul L., (Department of Rural Economics)

The Sugar Refining Industry in the United States. Publication of the University of Pennsylvania, *Series in Po-*

- litical Economy and Public Law*, No. 21. John C. Winston Co., Philadelphia, Pa., 1908.
- A Rural Survey in Southwestern Ohio. *Miami University Bulletin*, Series XI, No. 8, Oxford, Ohio, April, 1913.
- Need for a Salaried Medical Profession. *Popular Science Monthly*, LXXXIV, pp. 605-608.
- Functional Industrial Relationships and the Wage Rate. *American Journal of Sociology*, XIX, pp. 753-760.
- A Rural Life Survey of Green and Clermont Counties, Ohio. *Miami University Bulletin*, Series XII, No. 11, July, 1914.
- Country Life Week. Compiler and contributor. *Ohio State University Bulletin*, XIX, No. 3, September, 1914.
- Rural Education in Ohio. *The Ohio Teacher*, June, 1913, pp. 501-503.

Reviews as follows:

- Die Volkswirtschaftliche Bedeutung der technischen Entwicklung der deutschen Zuckerindustrie, by Theodore Schuchart. Leipzig, Werner Klinkhardt, 1908. *Political Science Quarterly*, September, 1908.
- The Industrial Unrest and the Living Wage. London, King, 1913, p. 182. *American Economic Review*, June, 1914.
- The Facts of Socialism, J. W. Hughan. New York, Lane, 1913. *American Economic Review*, June, 1914.

Warren, James H., (Department of Anatomy)

- The Identification of the Cells in Myelomas by means of the Indol-Phenol Blue Synthesis. *Journal of Cancer Research*, II, No. 1, January, 1917.
- Observations on the Formation of the Giant Cells in Tuberculosis. *Journal of Medical Research*, New Series, XXXI, No. 2, May, 1917.
- Observations on the Occurrence of Eosinophilic Leucocytes and the Granule Cells of Paneth in the Vermiform Appendix of Man. With Jonathan Forman. *Anatomical Record*, XII, No. 4, pp. 455-456.

Weiss, Albert P., (Department of Psychology)

- A Modified Slide Rule and the Index Method in Individual Measurements. *Journal of Educational Psychology*, November, 1914, pp. 511-524.
- Purkinje Demonstration. *Psychological Bulletin*, XIII, No. 11, November, 1916, p. 442.
- Apparatus and Experiments on Sound Intensity. *Psychological Review*, Monograph No. 95, XXII, October, 1916.
- Pendulum and Interval Timer. *Psychological Review*, XXIII, No. 6, November, 1916, p. 508.

- Preliminary Report on the Relative Intensity of Successive, Simultaneous, Ascending and Descending Tones. *Psychological Review*, XXIV, No. 2, March, 1917, p. 154.
- The Focal Variator. *Journal of Experimental Psychology*, II, No. 2, April, 1917, p. 106.
- A Limen Color Mixer. *American Journal of Psychology*, XXVIII, July, 1917, pp. 409-418.
- The Tone Intensity Reaction. *Psychological Review*, XXV, January, 1918, pp. 50-80.
- Relation between Structural and Behavior Psychology. *Psychological Review*, XXIV, July, 1917, pp. 301-317.
- Relation between Functional and Behavior Psychology. *Psychological Review*, XXIV, September, 1917, pp. 353-368.
- Methods of Grading. Discussion of Grading Systems for Teachers' Service Club, August, 1917.
- Sound Intensity Apparatus. Paper read before the American Psychological Association, New York, December, 1916.
- Demonstration of Apparatus. The Focal Variator. American Psychological Association, New York, December, 1916.
- Standard Class Grading. Paper read before Ohio College Association, April, 1917.
- Class Average Grading. Paper read before Education Section, American Association for the Advancement of Science, Columbus, December, 1915.
- Sound to Light: Conditioned Reflex. Paper read before American Psychological Association, Pittsburgh, December, 1917.
- Demonstration of Apparatus. Pendulum and Interval Timer. American Psychological Association, Pittsburgh, December, 1917.
- Regular reviewer for the *Psychological Bulletin*, for the topic, The Conscious, Subconscious, Unconscious.
- Withrow, James R., (Department of Chemistry)**
- The Ohio Chapter. *Sigma Xi Quarterly*, I, p. 73.
- Progress in Industrial Chemistry and Chemical Engineering During 1913. *The American Year Book*, 1913, p. 660. D. Appleton & Co., New York.
- The Present Status of the Wood Turpentine Industry. With E. H. French. *Journal, Industrial and Engineering Chemistry*, VI, No. 2, p. 148, February, 1914; *Metallurgical and Chemical Engineering*, XII, p. 95, February, 1914; *Chemical Engineer*, XIX, p. 58, February, 1914; *Oil, Paint and Drug Reporter*, LXXXV, March 23, 1914, p. 18; *Transactions, American Institute of Chemical Engineers*, VI, 1913, p. 217.

- The Hardwood Distillation Industry in America. With E. H. French. *Journal of Industrial and Engineering Chemistry*, VII, p. 47, January, 1915; *Metallurgical and Chemical Engineering*, XIII, p. 30, January, 1915; *Transactions, American Institute of Chemical Engineers*, VII, p. 200; *The Hardwood Record*, Chicago, 1915, p. 100.
- Purifying Crude Acetic Acid. With E. H. French. *U. S. Patent Office Gazette*, July, 1914, p. 1093.
- Progress in Industrial Chemistry and Chemical Engineering during 1914. *The American Year Book*, 1914, p. 628. D. Appleton & Co., New York.
- Report of Committee on Chemical Engineering Education, New York Meeting. *Bulletin No. 9, American Institute of Chemical Engineers*, p. 30.
- The Present Status of the Chemical Engineering Education Work of the American Institute of Chemical Engineers. *Bulletin No. 10, American Institute of Chemical Engineers*, p. 24.
- Abstracts. Several industrial chemical abstracts. *Chemical Abstracts*, VIII, IX.
- Review: "Transactions of the American Institute of Chemical Engineers. V (1912), office of the Secretary, Brooklyn, N. Y." *Journal of Industrial and Engineering Chemistry*, VI, 173.
- Review: Industrial Chemistry for Engineering Students, by Henry K. Benson. Macmillan Co., New York. *Journal of Industrial and Engineering Chemistry*, VI, p. 1045.

The Ohio State University Bulletin is issued at least twenty times during the year; monthly in June, July, August, and September, and bi-weekly in October, November, December, January, February, March, April, and May.

